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OCT 13 2008

PUBLIC SERVICE
COMMISSION

COMMONWEALTH OF KENTUCKY
BEFORE THE
PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

THE APPLICATION OF SALT RIVER ELECTRIC)
COOPERATIVE CORPORATION FOR A)
CERTIFICATE OF CONVENIENCE AND NECESSITY)
PURSUANT TO KRS 278.020(1) AND 807 KAR 5:001,)
SECTIONS 8 AND 9(2) AND RELATED SECTIONS,)
AUTHORIZING CERTAIN PROPOSED)
CONSTRUCTION)

CASE NO. 2008-441

* * * * *

In support of the Application, entitled above ("Application"), Salt River Electric Cooperative Corporation ("Salt River"), respectfully states:

I

The full name and post office address of the Applicant is as follows:

Salt River Electric Cooperative Corporation
111 West Brashear Avenue
Bardstown, KY 40004

Applicant, Salt River, is an electric cooperative corporation duly organized and existing under KRS Chapter 279 and the laws of the Commonwealth of Kentucky.

A certified copy of the Articles of Incorporation of Salt River was filed with this Commission in Case No. 92-560.

II

Salt River is engaged in the business of supplying retail electric service to approximately 46,000 consumers in the Kentucky Counties of Nelson, Bullitt, Washington, Spencer, Anderson, Jefferson, Larue, Marion, Mercer and Shelby.

Salt River's property consists of approximately 3934 miles of electric distribution line

and other property necessary and incidental to the operation of its system in the foregoing counties. The original cost of the Applicant's property as of July 31, 2008, is as follows:

Total Utility Plant \$113,617,412.17

III

The construction herein described and proposed in the 2008-2011 Work plan is to enable the Applicant to serve approximately 4552 new consumers that otherwise might not be served, and to eliminate the overloading of facilities so as to better serve the present consumers within the Applicant's service area. This construction is required by public convenience and necessity. No franchises or permits are required from public authority for the proposed new construction described in this Application.

Salt River intends to borrow \$20,873,347 from Rural Utilities Services to finance the additions to the Salt River System.

The estimated cost of the above described construction is \$20,873,347 (listed on RUS Form 740c-page 2 of 5, Exhibit 1).

A full description of the proposed location or routes of the new construction is shown in the 2008-2011 Work Plan. The Applicant previously filed with the Commission three (3) copies of the 2008-211 work plan and three (3) maps showing the location of the new construction and extension. The Applicant's estimated cost of operation (less purchase power) after completion of the new facilities is \$16,857,088.(Explanation of the calculations is attached as Exhibit 2.) Salt River also files herewith a twelve (12) month statement of Operations and Balance Sheet as Exhibit 3.

The new construction and extensions are within the Applicant's service area. The other public utilities, corporations or persons having facilities in nearby areas are: Louisville Gas &

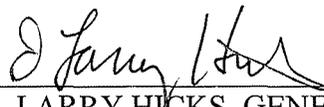
Electric, Louisville, Kentucky; Kentucky Utilities Company, Lexington, Kentucky; City of Bardstown, Bardstown, Kentucky; Bluegrass Energy Cooperative Corporation, Nicholasville, Kentucky; Inter-County Rural Electric Cooperative Corporation, Danville, Kentucky; Shelby County Rural Electric Cooperative Corporation, Shelbyville, Kentucky and Nolin Rural Electric Cooperative Corporation, Elizabethtown, Kentucky. The work will be done under contracts and/or force accounts.

IV

WHEREFORE, the Applicant, Salt River Electric Cooperative Corporation, prays that the Public Service Commission of Kentucky make its order authorizing a certificate of convenience and necessity as requested herein, and for such other relief as the Commission may deem appropriate as to which Salt River may appear entitled.

Dated at Bardstown, Kentucky, this 10th day of October, 2008.

SALT RIVER ELECTRIC COOPERATIVE
CORPORATION



J. LARRY HICKS, GENERAL MANAGER
(502) 348-3931

FULTON, HUBBARD & HUBBARD



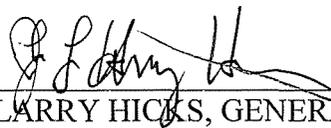
JOHN DOUGLAS HUBBARD
REGINA RAPIER BECKMAN
Attorneys for Applicant
117 East Stephen Foster Avenue
Bardstown, KY 40004
(502) 348-6457

COMMONWEALTH OF KENTUCKY

COUNTY OF NELSON

J. Larry Hicks, after first being duly sworn, deposes and says: That he is the General Manager of Salt River Electric Cooperative Corporation, a cooperative rural electric corporation, duly reorganized and doing business under the Rural Electric Cooperative Corporation Act of the Commonwealth of Kentucky; that he is duly designated by the Applicant to sign this Application; that he has read the foregoing Application and knows the contents thereof; and that the same is true of his own knowledge, except as to such matters as are therein stated on information or belief, and as to those matters he believes it to be true.

This 10th day of October, 2008.



J. LARRY HICKS, GENERAL MANAGER
Salt River Electric Cooperative Corporation

Subscribed and sworn to before me by J. Larry Hicks, this 10th day of October, 2008.



NOTARY PUBLIC, STATE AT LARGE

My Commission expires: 11-12-2010.

EXHIBIT LIST

NUMBER

DESCRIPTION

- | | |
|---|---|
| 1 | FUS Form 740C. |
| 2 | Explanation of Cost of Operation. |
| 3 | Statement of Operations twelve months ending August 31, 2008. |

Three copies of Salt River's 2008-2011 Work Plan and three copies of the maps showing the location of new construction and extension were previously filed with the Commission.

SECTION A. COST ESTIMATES (cont.)					BORROWER'S COST ESTIMATES	RUS USE ONLY
500	e. Substation, Switching Station, Metering Point Changes					
	<u>Station Designation</u>	<u>Description of Changes</u>				
501	_____	_____			\$0	
502	_____	_____			0	
503	_____	_____			0	
504	_____	_____			0	
505	_____	_____			0	
506	_____	_____			0	
507	_____	_____			0	
508	_____	_____			0	
509	_____	_____			0	
	<i>Subtotal</i>				\$0	
600	f. Miscellaneous Distribution Equipment					
601	(1) Transformers and Meters					
	Construction	<u>Transformers</u>		<u>Meters</u>		
	Underground	768	\$1,443,724	1 ph 34775	\$3,651,375	\$5,095,099
	Overhead	858	\$836,900	3 ph 228	\$342,000	1,178,900
	<i>Subtotal code 601 . . . (included in total of all 600 codes below)</i>				\$6,273,999	
602	(2) Sets of Service Wires to increase Capacity	##			539,153	
603	(3) Sectionalizing Equipment	_____			383,610	
604	(4) Regulators	_____			687,000	
605	(5) Capacitors	_____			176,790	
606	(6) Ordinary Replacements	900 poles			2,064,703	
	(7)	_____			0	
608	(8) Conductor Replacement	_____			233,740	
	(9)	_____			0	
	(10)	_____			0	
	(11)	_____			0	
	<i>Subtotal ALL 600 codes</i>				\$10,358,995	
700	g. Other Distribution Items					
701	(1) Engineering Fees	_____			\$0	
702	(2) Security Lights	##			744,789	
703	(3) Reimbursement of General Funds (see attached)	_____			0	
704	(4) <u>TURTLE II UPGRADE</u>	_____			895,000	
	<i>Subtotal</i>				\$1,639,789	
	TOTAL DISTRIBUTION.....				\$20,873,347	
800	2. Transmission					
	a. New Line					
	<u>Line Designation</u>	<u>Voltage</u>	<u>Wire Size</u>	<u>Miles</u>		
801	_____	_____	_____	_____	\$0	
802	_____	_____	_____	_____	0	
803	_____	_____	_____	_____	0	
804	_____	_____	_____	_____	0	
805	_____	_____	_____	_____	0	
806	_____	_____	_____	_____	0	
807	_____	_____	_____	_____	0	
808	_____	_____	_____	_____	0	
809	_____	_____	_____	_____	0	
810	_____	_____	_____	_____	0	
	<i>Total Miles</i>			0.00		
	<i>Subtotal</i>				\$0	

COST ESTIMATE AND LOAN BUDGET FOR ELECTRIC BORROWERS			BORROWER AND LOAN DESIGNATION	
			KY 21 NELSON	
SECTION A. COST ESTIMATES (cont.)			BORROWER'S COST ESTIMATES	RUS USE ONLY
900	b. New Substation, Switching Station, etc.			
	<u>Station Designation</u>	<u>kVA</u>	<u>kV TO kV</u>	
901	_____	_____	_____	\$0
902	_____	_____	_____	0
903	_____	_____	_____	0
904	_____	_____	_____	0
905	_____	_____	_____	0
906	_____	_____	_____	0
907	_____	_____	_____	0
908	_____	_____	_____	0
	<i>Subtotal</i>			\$0
1000	c. Line and Station Changes			
	<u>Line/Station Designation</u>	<u>Description of Changes</u>		
1001	_____	_____		\$0
1002	_____	_____		0
1003	_____	_____		0
1004	_____	_____		0
1005	_____	_____		0
1006	_____	_____		0
1007	_____	_____		0
1008	_____	_____		0
1009	_____	_____		0
	<i>Subtotal</i>			\$0
1100	d. Other Transmission Items			
1101	(1) R/W Procurement	_____		\$0
1102	(2) Engineering Fees	_____		0
1103	(3) Reimbursement of General Funds (see schedule)	_____		0
1104	(4) _____	_____		0
	<i>Subtotal</i>			\$0
TOTAL TRANSMISSION				\$0
1200	3. GENERATION (including Step-up Station at Plant)			
1201	a Fuel _____	Nameplate Rating _____	_____ kW	\$0
1202	b. _____		_____	0
TOTAL GENERATION				\$0
1300	4. HEADQUARTERS FACILITIES			
1301	a. New or additional Facilities	(Attach RUS Form 740g) _____		\$0
1302	b. _____		_____	0
TOTAL HEADQUARTERS FACILITIES				\$0

COST ESTIMATE AND LOAN BUDGET FOR ELECTRIC BORROWERS		BORROWER AND LOAN DESIGNATION	
SECTION A COST ESTIMATES (cont.)		BORROWER'S COST ESTIMATES	RUS USE ONLY
1400	5. ACQUISITIONS		
1401	a. _____ Consumers _____ Miles	\$0	
1402	b. _____	0	
TOTAL ACQUISITIONS.....		\$0	
1500	6. ALL OTHER		
1501	a. _____	\$0	
1502	b. _____	0	
1503	c. _____	0	
1504	d. _____	0	
1505	e. _____	0	
TOTAL ALL OTHER.....		\$0	

SECTION B. SUMMARY OF AMOUNTS AND SOURCES OF FINANCING

1. GRAND TOTAL - ALL COSTS		\$20,873,347	
2. FUNDS AND MATERIALS AVAILABLE FOR FACILITIES			
a. Loan Funds	\$0		
b. Materials and Special Equipment	0		
c. General Funds			
Purpose 1	\$0		
Purpose 2	\$0		
Purpose 3	\$0		
Purpose 4	\$0		
Total General Funds Applied	\$0		
d. Total Available Funds and Materials		\$0	
3. NEW FINANCING REQUESTED FOR FACILITIES		\$20,873,000	
4. RUS LOAN REQUESTED FOR FACILITIES	100%	\$20,873,000	
5. TOTAL SUPPLEMENTAL LOAN REQUESTED		\$0	
<u>National Rural Utilities Cooperative Finance Corporation</u>			
<u>Name of Supplemental Lender</u>			
6. CAPITAL TERM CERTIFICATE PURCHASES (CFC Loan only)	0%	\$0	
7. SUPPLEMENTAL LOAN REQUESTED FOR FACILITIES	0%	\$0	
8. 100% SUPPLEMENTAL LOANS (SEE RUS Bulletin 20-40, Att. C)*		\$0	

*Identify in section A by budget purpose and separate subtotals.

SECTION C. CERTIFICATION

We, the undersigned, certify that:

1. Upon completion of the electrical facilities contained herein and any others uncompleted at this time but for which financing is available, the system will be capable of adequately and dependably serving the projected load for the loan period as contained in our current RUS approved Power Requirement Study and Construction Work Plan.
2. Negotiations have been or will be initiated with our power supplier, where necessary, to obtain new delivery points and/or additional capacity at existing ones to adequately supply the projected load upon which this loan application is based.
3. The data contained herein and all supporting documents have, to the best of my knowledge, been prepared correctly and in accordance with RUS Bulletin 20-2.

Date

Signature of Borrower's Manager

Date

Signature of Borrower's President

SALT RIVER ELECTRIC COOPERATIVE CORPORATION

Corporate Name of Borrower

GFR Initials _____

Based on the financial forecast prepared in conjunction with its construction work plan, Salt River estimates the cost of operation at \$16,857,088 by subtracting the cost of power (\$62,537,526) from the total cost of electric service (\$79,394,614). This information is contained in Item 5 Page 2 of 27 at line lb-cost of power and line lj-total cost of electric service.

SALT RIVER ECC
12 MONTHS ENDED
AUGUST 31, 2008

	12 mo. ended 08/31/08
Operating Revenue and Patronage Capital	\$83,642,331.00
Cost of Purchased Power	\$65,480,890.00
Distribution Expense - Operation	\$2,096,133.00
Distribution Expense - Maintenance	\$2,674,797.00
Consumer Accounts Expense	\$1,908,412.00
Customer Service and Informational Expense	\$181,805.00
Sales Expense	\$225,239.00
Administrative & General Expense	\$2,470,558.00
Total Operation & Maintenance Expense	\$75,037,834.00
Depreciation and Amortization Expense	\$4,720,653.00
Tax Expense - Other	\$81,845.00
Interest on Long-Term Debt	\$2,849,596.00
Interest Expense - Other	\$85,648.00
Other Deductions	\$5,295.00
Total Cost of Electric Service	\$82,780,871.00
Patronage Capital & Operating Margins	\$861,460.00
Non Operating Margins - Interest	\$639,919.00
Income (Loss) from Equity Investments	(\$41,789.00)
Non Operating Margins - Other	(\$24,724.00)
Generation and Transmission Capital Credits	\$0.00
Other Capital Credits and Patronage Dividends	\$309,157.00
Patronage Capital or Margins	\$1,744,023.00

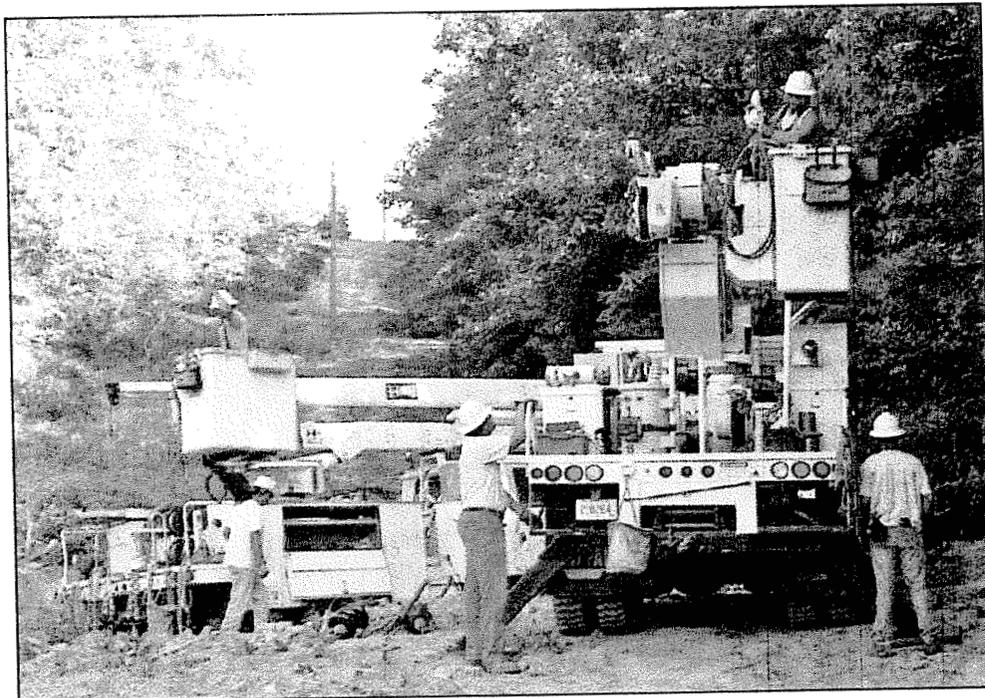


SALT RIVER ELECTRIC

111 West Brashear Avenue • Bardstown, Kentucky 40004

2008-2011

CONSTRUCTION WORK PLAN



A Touchstone Energy® Partner 



SALT RIVER ELECTRIC

111 West Brashear Avenue • Bardstown, Kentucky 40004
(502) 348-3931 • (502) 955-9732 • Fax (502) 348-1993

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**PUBLIC SERVICE
COMMISSION**

RESOLUTION

WHEREAS, a Construction Work Plan for 2008-2011 in the amount of \$20,873,347 has been prepared by the staff of Salt River Electric Cooperative Corporation.

NOW THEREFORE, BE IT RESOLVED that the Board of Directors adopt the 2008-2011 Construction Work Plan as a course of action to be followed, or until amended with the approval of the Rural Utilities Service.

CERTIFICATION

I, SIDNEY OSBOURNE, Secretary of Salt River Electric Cooperative Corporation Board of Directors, do hereby certify that the above is a true and correct excerpt from the minutes of the meeting of the Board of Directors of Salt River Electric Cooperative Corporation held on October 2, 2008, at which meeting a quorum was present.

SIDNEY OSBOURNE, Secretary

SEAL

2008-2011

CONSTRUCTION WORK PLAN

FOR

SALT RIVER ELECTRIC COOPERATIVE CORPORATION

KENTUCKY 21 - NELSON
BARDSTOWN, KENTUCKY

Prepared by:

SALT RIVER ENGINEERING DEPARTMENT
Bardstown, Kentucky

March 2008

I hereby certify that this 2008-2011 Construction Work Plan was prepared by me or under my direct supervision and that I am a duly registered professional engineer under the laws of the State of Kentucky. Registration No. 20741

3/26/2008
(Date)

By:



Timothy J. Sharp

SEAL



SALT RIVER ELECTRIC

111 West Brashear Avenue • Bardstown, Kentucky 40004
(502) 348-3931 • (502) 955-9732 • Fax (502) 348-1993

MARCH 2008

ENVIRONMENTAL REPORT

KY 21

2008-2011 Construction Work Plan

The projects in this work plan consist of code 300 line conversions and conductor replacements only.

PRESIDENT & CEO

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 - 2. Analysis of 2005 O & M Survey
 - 3. Sectionalizing Study
- E. Historical and Projected System Data
 - 1. Peak Substation Load Data (Jan 2008 and July 2007)
 - 2. 2006 PRS
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PURPOSE OF REPORT

This report documents the 2007 engineering analysis and summarizes the proposed construction for Salt River Electric Cooperative Corporation's (Salt River) electric distribution system for the three-year planning period of 2008 thru 2011.

The report also provides engineering support, in the form of descriptions, costs, and justification of required new facilities, for a loan application to finance the proposed construction program.

RESULTS OF PROPOSED CONSTRUCTION

Upon completion of construction of the facilities proposed herein, the system will provide adequate and dependable service to 50552 total residential, farm, small commercial, and large industrial consumers. The residential/farm consumers will have an average of 1376 KWH per consumer per month. The 12 large power and special loads are provided for on an individual basis. It is estimated there will be 4000 idle services.

GENERAL BASIS OF STUDY

The 2011 projected number of consumers and total peak system load were from the cooperative's 2006 Power Requirements Study (PRS) as approved by RUS. This report was prepared by Salt River.

The construction recommended herein is in accordance with the LRP which was completed in 1997. This includes the proposed construction of one new substation (Deatsville) by East Kentucky Power Cooperative. Salt River's February 2005 Operations and Maintenance review, (Review Rating Summary; REA Form 300), was used to determine construction required to replace physically deteriorated equipment and material, upgrade portions of the system to conform with code or safety requirements, and/or improve reliability or quality of service.

New distribution, transmission and power supply construction requirements were considered simultaneously as a "one system" approach for the orderly and economical development of the total system. All of the proposed construction and recommendations herein, relative to power supply and delivery, were discussed with the cooperative's power supplier, East Kentucky Power Cooperative (EKPC).

A complete list of the lines and equipment and their estimated cost, (all based on recent historical date) required to serve an additional 3675 members. Salt River has also included a similar list and cost of necessary service upgrades to existing members is also included.

An analysis, using as a basis RUS guidelines and the design criteria herein, of thermal loading, voltages, physical conditions and reliability was performed on all of the substations, distribution lines and major equipment of the existing system. Milsoft Distribution Analysis was used to analyze the distribution circuits during the winter peak of January 2007. This peak of 242 MW occurred in January 2007 and another system peak occurred in January 2008 (261 MW) which was due to a large amount of industrial load added in the Cedar Grove Industrial Park. This issue can be handled with the Cedar Grove Industrial Park substation added in 2007. The projected peak of 291 KW for 2011 was modeled in the system. This model more accurately reflects actual field conditions. For each deficiency that was determined, alternate solutions were investigated and economically evaluated, so that the most cost effective construction, if required, could be proposed. This analysis was performed using data from 2006 PRS (normal weather projections).

DESCRIPTION OF SERVICE AREA

Salt River Electric Cooperative Corporation (Salt River) is located in Central Kentucky just south of Louisville, Ky. The location and proximity of it's service territory to Louisville make it's service area a haven for city workers wishing to reside away from the congestion of the Louisville/Jefferson County area. In addition the lower tax rates and highly regarded school systems of Bullitt, Nelson and Spencer Counties lure new customers.

The cooperative serves major portions of Nelson, Spencer, Bullitt, Washington and parts of Larue, Jefferson, Shelby, Mercer, Anderson and Marion Counties. The headquarters is located in Bardstown (Nelson County) with branch offices in Shepherdsville (Bullitt County), Springfield (Washington County) and Taylorsville (Spencer

Washington and Spencer counties served by Salt River are rural with a high percentage of people relying on agricultural enterprises, manufacturing and government services for income. Agricultural products include tobacco, dairy, corn and swine. Tobacco and dairies are the prime sources of farm income. A number of commercial and industrial areas are within the service territory with a diversity of product lines. Moderate growth is projected for new commercial, small manufacturing and residential consumers throughout most of Salt River's system. Twelve 12) medium sized (between 1 to 10 MW Demand) industries are currently being served with good potential for future growth existing in Bullitt County and commercial parks surrounding the cities of Bardstown and Springfield.

KEY SYSTEM OPERATING DATA

The following data is from SALT RIVER'S Year end RUS Form 7

DECEMBER 2006:

Number of consumers (year end total)	44,979
MWH Purchased	998,251
MWH Sold	946,208
Maximum KW Demand	221,625
Total Utility Plant	\$104,237,387
Consumers/Mile	11.69

DECEMBER 2007:

Number of consumers (year end total)	45,836
MWH Purchased	1,087,728
MWH Sold	1,038,355
Maximum KW Demand	238,441
Total Utility Plant	\$111,010,838
Consumers/Mile	11.74

The cooperative has distribution circuits totaling 3903 miles. All circuits are operated at 7.2/12.47 Kilovolts (KV), grounded Wye. Installed overhead conductor sizes range from 8A to 795 spacer cable. With the majority of the three phase overhead line conductor being 1/0 Copper and single phase overhead lines being 6A cwc. All new three phase lines are built of 1/0 or 336.4 MCM ACSR depending upon the economic conductor selection guide of Salt River. All new single phase line are built of #2 and 1/0 ACSR conductor. All new underground primary construction is 220 mil 1/0 or 4/0 stranded aluminum conductor which is installed entirely within underground duct systems.

POWER SUPPLY

East Kentucky Power Cooperative (EKPC) provides all power and energy needs to Salt River, plus 15 other distribution cooperatives. A map of EKPC's service area is located in the back of this report. EKPC is an RUS financed G&T cooperative with offices in Winchester, KY.

EKPC constructs, owns, operates, and maintains all Twenty-nine of the distribution substations. EKPC also constructs and maintains the 69, 161 and 345 KV transmission lines which supply Salt River's distribution system. The northern district of the territory is served off of the 33 or 69 KV system of Louisville Gas and Electric which wheels power from EKP to Salt River. All power transactions are handled by EKP's Load Dispatch Department.

East Kentucky Power will construct a 10 MW substation (Deatsville) in Nelson County by December 2008. This substation will relieve loading on Cedar Grove and Joe Tichenor and West Bardstown substations.

ANALYSIS OF 1997 LONG RANGE PLAN

Salt River Electric Cooperative Corporation's 1997 Long-Range Plan (LRP) was prepared by Southern Engineering.

The LRP recommends that the distribution system will continue to operate predominately at 7.2/12.47 KV. In addition, the LRP addresses the replacement of deteriorated, or aged, distribution plant that will be included in future CWP's. The projects in the 2008-2011 CWP are consistent with the LRP.

ANALYSIS OF 2005 OPERATIONS AND MAINTENANCE SURVEY

In February 2005 an Operations and Maintenance Survey (O & M Survey) of the system was conducted.

Transmission lines and distribution substations are owned and maintained by East Kentucky Power Cooperative (EKP) and have been excluded from the rating process.

In general, the overhead and underground distribution facilities were found to be in satisfactory condition. There is an on-going program to replace old deteriorated conductor as part of the Long-Range Plan. Approximately 3.4 miles will be replaced in this work plan.

A program has been implemented to reduce outages, with a corporate goal of 3.5 hours/consumer. The use of vacuum OCR's will increase reliability and reduce maintenance costs. Autobooters have been phased out because of unreliability. The use of fused cutouts and an improved sectionalizing scheme will also improve reliability. Right-of way is cleared on a 5 year cycle including spraying.

A SCADA system was installed in 2003. The use of this system allows Salt River Electric to respond to outages faster because of the real time data. Reliability is better with the alarms and data associated with SCADA. Fault current readings allow engineering and dispatch personnel to direct crews to the general locations of the outages with a high degree of accuracy.

SECTIONALIZING STUDIES

Salt River Electric performs annual or when the system changes sectionalizing studies to calculate the coordination data for system protection. The philosophy includes removing the fast trips from the substation ocrs and raising ground trip values as high as 200 amps where minimum trips will allow. This also allows the use of larger downline ocrs to handle the larger loads that Salt River Electric is experiencing. Better coordination between ocrs is achieved by this philosophy. The fault current analysis from this study is utilized by engineering to locate fault information provided by SCADA.

A list has been made of OCR's, fuses, switches and other devices required to adequately protect the entire system. Fused cutouts will be added to all three phase lines at taps and transformers where none exist to minimize outages, improve troubleshooting and minimize blinking lights.

In addition to the above new protection requirements, annually, one third of the system's OCR's are removed, inspected, maintained, (cleaned, tested and serviced), and re-installed.

Copies of the data, calculations and final results of the above circuit protection studies are utilized by Salt River's Engineering Department on a daily basis for coordination decisions. Also retained are Salt River's OCR maintenance and test reports.

Partner software is being utilized in the dispatch center and allows the engineering department to know how many customers are being served from any point in the system. With this information we can foresee problems with load before they arise or better analyze cold load problems as they occur.

Public reporting burden for this collection of information is estimated to average 17 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, Room 404-W, Washington, DC 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB #0572-0032), Washington, DC 20503. OMB FORM NO. 0572-0032, Expires 05/31/92.

This data will be used by RUS to review your financial situation. Your response is required (7 USC 901 et seq.) and is not confidential.

USDA-RUS COST ESTIMATES AND LOAN BUDGET FOR ELECTRIC BORROWERS To: U.S. Dept. of Agriculture, RUS, Washington, D. C. 20250	Form Approved OMB No. 0572-0032 BORROWER AND LOAN DESIGNATION KY 21 NELSON COST ESTIMATES AS OF: (Month, Year)																																																																																																																																																																																																																																		
INSTRUCTIONS <i>See EOM-4 Guideline for the Implementation of 7 CFR 1711.1</i>																																																																																																																																																																																																																																			
SECTION A. COST ESTIMATES	LOAN PERIOD <u> 3 </u> YEARS																																																																																																																																																																																																																																		
1. DISTRIBUTION 100 a. New Line. (Excluding Tie-Lines) <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;"></td> <td style="width:15%; text-align:center;"><u>Construction</u></td> <td style="width:15%; text-align:center;"><u>Consumers</u></td> <td style="width:15%; text-align:center;"><u>Miles</u></td> <td style="width:40%;"></td> </tr> <tr> <td>101</td> <td>Underground</td> <td style="text-align:center;">3000</td> <td style="text-align:center;">116.30</td> <td></td> </tr> <tr> <td>102</td> <td>Overhead</td> <td style="text-align:center;">675</td> <td style="text-align:center;">49.38</td> <td></td> </tr> <tr> <td></td> <td>Total Consumer</td> <td style="text-align:center;">3675</td> <td style="text-align:center;">Total Miles</td> <td style="text-align:center;">165.68</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align:center;">Less Contributions</td> <td style="text-align:center;">0</td> </tr> <tr> <td></td> <td colspan="4"><i>Subtotal (New Line)</i></td> </tr> <tr> <td></td> <td colspan="4">a.(1) Major Development : (site specific code 100)</td> </tr> <tr> <td>103</td> <td colspan="4">_____</td> </tr> <tr> <td>104</td> <td colspan="4">_____</td> </tr> <tr> <td>105</td> <td colspan="4">_____</td> </tr> <tr> <td></td> <td colspan="4"><i>Subtotal (Major Development)</i></td> </tr> <tr> <td></td> <td colspan="4"><i>Subtotal ALL code 100</i></td> </tr> </table> 200 b. 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SECTION A. COST ESTIMATES (cont.)						BORROWER'S COST ESTIMATES	RUS USE ONLY
500	e. Substation, Switching Station, Metering Point Changes						
	<u>Station Designation</u>	<u>Description of Changes</u>					
	01					\$0	
	02					0	
	03					0	
	04					0	
	05					0	
	06					0	
	07					0	
	08					0	
	09					0	
	<i>Subtotal</i>					\$0	
600	f. Miscellaneous Distribution Equipment						
601	(1) Transformers and Meters						
	Construction	<u>Transformers</u>		<u>Meters</u>			
	Underground	768	\$1,443,724	1 ph	34775	\$3,651,375	\$5,095,099
	Overhead	858	\$836,900	3 ph	228	\$342,000	1,178,900
	<i>Subtotal code 601 ... (included in total of all 600 codes below)</i>					\$6,273,999	
602	(2) Sets of Service Wires to increase Capacity			##		539,153	
603	(3) Sectionalizing Equipment					383,610	
604	(4) Regulators					687,000	
605	(5) Capacitors					176,790	
606	(6) Ordinary Replacements	900 poles				2,064,703	
	(7)					0	
608	(8) Conductor Replacement					233,740	
	(9)					0	
	(10)					0	
	(11)					0	
	<i>Subtotal ALL 600 codes</i>					\$10,358,995	
700	g. Other Distribution Items						
701	(1) Engineering Fees					\$0	
702	(2) Security Lights			##		744,789	
703	(3) Reimbursement of General Funds (see attached)					0	
704	(4) <u>TURTLE II UPGRADE</u>					895,000	
	<i>Subtotal</i>					\$1,639,789	
TOTAL DISTRIBUTION						\$20,873,347	
800	2. Transmission						
	a. New Line						
	<u>Line Designation</u>	<u>Voltage</u>	<u>Wire Size</u>	<u>Miles</u>			
801						\$0	
802						0	
803						0	
804						0	
805						0	
806						0	
807						0	
808						0	
809						0	
810						0	
	<i>Total Miles</i>				0.00		
	<i>Subtotal</i>					\$0	

SECTION A. COST ESTIMATES (cont.)			BORROWER'S COST ESTIMATES	RUS USE ONLY
900	b. New Substation, Switching Station, etc.			
	<u>Station Designation</u>	<u>kVA</u>	<u>kV TO kV</u>	
901	_____	_____	_____	\$0
902	_____	_____	_____	0
903	_____	_____	_____	0
904	_____	_____	_____	0
905	_____	_____	_____	0
906	_____	_____	_____	0
907	_____	_____	_____	0
908	_____	_____	_____	0
	<i>Subtotal</i>			\$0
1000	c. Line and Station Changes			
	<u>Line/Station Designation</u>	<u>Description of Changes</u>		
1001	_____	_____		\$0
1002	_____	_____		0
1003	_____	_____		0
1004	_____	_____		0
1005	_____	_____		0
1006	_____	_____		0
1007	_____	_____		0
1008	_____	_____		0
1009	_____	_____		0
	<i>Subtotal</i>			\$0
1100	d. Other Transmission Items			
1101	(1) R/W Procurement	_____		\$0
1102	(2) Engineering Fees	_____		0
1103	(3) Reimbursement of General Funds (see schedule)	_____		0
1104	(4) _____	_____		0
	<i>Subtotal</i>			\$0
	TOTAL TRANSMISSION			\$0
1200	3. GENERATION (including Step-up Station at Plant)			
1201	a Fuel _____	Nameplate Rating _____	_____ kW	\$0
1202	b. _____			0
	TOTAL GENERATION			\$0
1300	4. HEADQUARTERS FACILITIES			
1301	a. New or additional Facilities	(Attach RUS Form 740g) _____		\$0
1302	b. _____			0
	TOTAL HEADQUARTERS FACILITIES			\$0

SECTION A. COST ESTIMATES <i>(cont.)</i>		BORROWER'S COST ESTIMATES	RUS USE ONLY
1400	5. ACQUISITIONS		
1401	a. _____ Consumers _____ Miles	\$0	
'02	b. _____	0	
TOTAL ACQUISITIONS.....		\$0	
1500	6. ALL OTHER		
1501	a. _____	\$0	
1502	b. _____	0	
1503	c. _____	0	
1504	d. _____	0	
1505	e. _____	0	
TOTAL ALL OTHER.....		\$0	

SECTION B. SUMMARY OF AMOUNTS AND SOURCES OF FINANCING

1. GRAND TOTAL - ALL COSTS		\$20,873,347	
2. FUNDS AND MATERIALS AVAILABLE FOR FACILITIES			
a. Loan Funds	\$0		
b. Materials and Special Equipment	0		
c. General Funds			
Purpose 1	\$0		
Purpose 2	\$0		
Purpose 3	\$0		
Purpose 4	\$0		
Total General Funds Applied	\$0		
d. Total Available Funds and Materials		\$0	
3. NEW FINANCING REQUESTED FOR FACILITIES		\$20,873,000	
4. RUS LOAN REQUESTED FOR FACILITIES.....	100%	\$20,873,000	
5. TOTAL SUPPLEMENTAL LOAN REQUESTED		\$0	
<u>National Rural Utilities Cooperative Finance Corporation</u>			
Name of Supplemental Lender			
6. CAPITAL TERM CERTIFICATE PURCHASES (CFC Loan only)	0%	\$0	
7. SUPPLEMENTAL LOAN REQUESTED FOR FACILITIES.....	0%	\$0	
8. 100% SUPPLEMENTAL LOANS (SEE RUS Bulletin 20-40, Att. C)*		\$0	

* Identify in section A by budget purpose and separate subtotals.

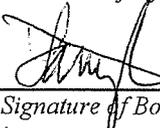
SECTION C. CERTIFICATION

We, the undersigned, certify that:

1. Upon completion of the electrical facilities contained herein and any others uncompleted at this time but for which financing is available, the system will be capable of adequately and dependably serving the projected load for the loan period as contained in our current RUS approved Power Requirement Study and Construction Work Plan.
2. Negotiations have been or will be initiated with our power supplier, where necessary, to obtain new delivery points and/or additional capacity at existing ones to adequately supply the projected load upon which this loan application is based.
3. The data contained herein and all supporting documents have, to the best of my knowledge, been prepared correctly and in accordance with RUS Bulletin 20-2.

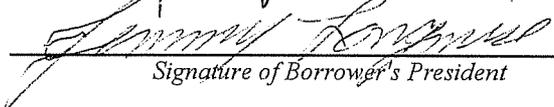
October 2, 2008

Date


Signature of Borrower's Manager

October 2, 2008

Date


Signature of Borrower's President

SALT RIVER ELECTRIC COOPERATIVE CORPORATION

Corporate Name of Borrower

GFR Initials _____

STATEMENT

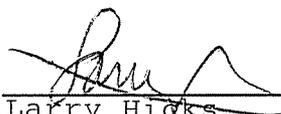
Statement certifying that at least 90% of the Loan funds are for facilities with a useful life of 33 years or longer as required by 7 CFR 1710.115.

To facilitate the determination of the final maturity for this RUS Loan,
Salt River Electric
does hereby certify that:

At least 90% of the Loan funds requested as part of this loan application and included on the RUS Form 740c (Cost Estimates and Loan Budget for Electric Borrowers) are for facilities with an anticipated useful life of 33 years or longer.

Less than 90% of the Loan funds requested as part of this loan application and included on the RUS Form 740c (Cost Estimates and Loan Budget for Electric Borrowers) are for facilities with an anticipated useful life of 33 years or longer. A schedule has been attached to this statement listing the facilities with an anticipated useful life of less than 33 years, the anticipated useful life of those facilities and the associated cost estimates (see attached).

April 10, 2008
Date


Title: Larry Hicks
President and CEO
Salt River Electric

SALT RIVER ELECTRIC DESIGN CRITERIA

FOR

2008-2011 CONSTRUCTION WORK PLAN

FEBRURARY 2008

Each of the following design criteria items was reviewed by Mike Norman, RUS General Field Representative in February 2008. Mike concurred with the following statements.

All construction proposed within this document is required to meet the following minimum standards for voltage, thermal loading conditions, safety and system reliability. Conditions could require corrective action to exceed minimum standards.

1. The maximum voltage drop on primary distribution lines not to exceed 8 volts, (125 volt base), after re-regulation.
2. Primary conductors are not to be loaded over 90% of their thermal rating. These conductors will be flagged at 80% in the voltage drop studies.
3. Equipment will have maximum loading not to exceed the following nameplate percentages:

<u>EQUIPMENT</u>	<u>WINTER</u>	<u>SUMMER</u>
a. Power Transformers	130%	100%
b. Regulators	130%	100%
c. Reclosers	100%	100%
d. Line Fuses	80%	80%

4. Conductors (and associated poles and hardware as required) will be built, rebuilt, and or relocated if they are found to be unsafe or fail to meet applicable NESC requirements.
5. Poles and/or crossarms to be replaced if found to be physically deteriorated by visual inspection and/or tests.
6. All new distribution lines to be designed and built according

to REA standard construction specifications and guidelines.

7. New lines and line conversions are to be built according to the standard primary voltage levels as recommended in the Long Range Plan.
8. New primary conductor sizes to be determined on a case by case basis using the Economic Conductor Sizing Computer Program and presently known constraints and variables. The final proposed conductor may be modified to conform with Salt River's Standard sizes and recommendations of the Long Range Plan.
9. All new primary construction to be overhead except where underground is required to comply with governmental or environmental regulations, local restrictions, or favorable economics.
10. Three phase normally open points between substation are to have gang operated air break switches (GOABS) installed over the work plan period.
11. All substations should have three phase reclosers installed in order to provide adequate protection schemes to improve reliability.
12. All underground circuits are to be designed and installed to allow for a loop feed configuration with faulted circuit indicators for system reliability.

It is recommended that proposed construction items required for voltage improvements whose forecast need is based solely on calculated voltage from computerized circuit analysis printouts, not be authorized for construction until such calculated voltages are measured in the field and extrapolated to peak loading period and then compared to calculated values to corroborate that actual voltages are below the above minimum design levels .

DISTRIBUTION LINE AND EQUIPMENT COST

2008-2011 CONSTRUCTION WORK PLAN

DISTRIBUTION LINE COST

ESTIMATED COST PER MILE	DESCRIPTION
\$62,000	1 PHASE TO 3 PHASE 110 ACSR
\$53,000	1 PHASE TO 1 PHASE 110 ACSR
\$81,000	3 PHASE TO 3 PHASE 336.4 ACSR
\$148,000	D. C. TO D.C. 397 SPACER CABLE
\$110,000	3 PHASE TO 795 SPACER CABLE
\$90,000	3 PHASE TO 397 SPACER CABLE

DISTRIBUTION EQUIPMENT (INSTALLED COST)

ESTIMATED COST	DESCRIPTION
\$2,200	TYPE "L" (VACUUM) MECHANICAL OCR
\$100	CUTOUT
\$5,000	AIR BREAK SWITCH
\$27,700	3 PHASE 150 AMP REGULATOR BANK
\$46,300	3 PHASE 300 AMP REGULATOR BANK
\$8,800	1 PHASE 100 AMP REGULATOR
\$1,830	FIXED CAPACITOR
\$3,120	SWITCHED CAPACITOR

ACTUAL CONVERSION COST

(HISTORICAL DATA)

WORK ORDER NUMBER	JOB DESCRIPTION	MILES	TOTAL COST	COST PER MILE	
954515	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	1.80	\$81,465	\$45,258	
930385	3 PHASE 110 CU TO D.C. 336.4 ACSR	1.00	\$53,044	\$53,044	
940833	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	2.50	\$90,513	\$36,205	
931133	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	5.20	\$126,355	\$24,299	
940834	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	2.30	\$77,525	\$33,707	
940312	NEW LINE 3 PHASE 336.4 ACSR	1.50	\$33,623	\$22,415	
950365	NEW LINE 3 PHASE 336.4 ACSR	0.60	\$30,146	\$50,243	
954709	3 PHASE 110 CU TO D.C. 336.4 ACSR	2.20	\$115,000	\$52,273	
940039	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	2.70	\$92,539	\$34,274	
960484	3 PHASE 110 CU TO 336.4 ACSR	9.26	\$373,725	\$40,359	DARWIN THOMAS FEEDER
970042	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	1.29	\$64,710	\$50,163	
964223	1 PHASE 6ACWC TO 3 PHASE 336.4 ACSR	0.92	\$51,665	\$56,158	ARMSTRONG LANE
970207	3 PHASE 110 CU TO 336.4 ACSR	2.75	\$173,138	\$62,959	
960142	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	1.35	\$62,954	\$46,633	ALLEN PLACE NORTH
970005	3 PHASE 110 CU TO 336.4 ACSR	2.49	\$181,838	\$73,027	
960245	2 PHASE 4A CWC TO 336.4 ACSR	0.83	\$38,290	\$46,133	
960075	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	3.78	\$158,412	\$41,908	
970802	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	0.94	\$34,346	\$36,538	
980096	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	3.27	\$129,540	\$39,615	
980263	1 PHASE 6A CWC TO 1 PHASE 110 ACSR	0.69	\$10,297	\$14,923	
980045	1 PHASE 6A CWC TO 1 PHASE 110 ACSR	3.8	\$122,273	\$32,177	CLOYD LANE
970803	NEW LINE 3 PHASE 336.4 ACSR	1.07	\$51,600	\$48,224	
220143	3 PHASE 6ACWC TO 3 PHASE 336.4 ACSR	1.94	\$104,792	\$54,016	STRINGER LANE
210157	3 PHASE 2A CU TO 336.4 ACSR	3.6	\$265,544	\$73,762	HWY 480 CONVERSION
990065	NEW LINE 3 PHASE 110 ACSR	0.54	\$19,447	\$36,013	NALLEY & GIBSON
200144	NEW LINE 3 PHASE 336.4 ACSR	1.56	\$81,145	\$52,016	CEDAR GROVE IND PARK
990564	1 PHASE 6ACWC TO D C 397 SPACER(1.63 MI)	5.77	\$350,517	\$60,748	FREDRICKSBURG SUB CONVERSION
	1 PHASE 6ACWC TO 3 PHASE 336.4 ACSR(4.14 MI)				
210630	NEW LINE D C 397 SPACER (.57 MI)	5.11	\$250,380	\$48,998	SPRINGFIELD IND PARK
	NEW LINE 3 PHASE 336.4 ACSR (4.54 MI)				
201183	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	0.66	\$27,804	\$42,127	HUBBARDS LANE
200180	3 PHASE 110 CU TO 336.4 ACSR	2.11	\$53,951	\$25,569	HWY 62
990710	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	0.91	\$42,908	\$47,152	NEW HAVEN LAGOON
210637	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	2.32	\$71,289	\$30,728	CITY OF BARDSTOWN SEWER
210735	NEW LINE 3 PHASE 336.4 ACSR	0.64	\$31,313	\$48,927	WYETH AYERST
201336	NEW LINE 3 PHASE 336.4 ACSR	0.95	\$28,512	\$30,013	BROOKS IND SITE
210873	NEW LINE 1 PHASE 110 ACSR	1.25	\$19,563	\$15,650	HICKMAN FARM DIVISION
210699	1 PHASE 6A CWC TO 1 PHASE 110 ACSR	0.82	\$19,295	\$23,530	MAX ROUSE RD
200084	NEW LINE 3 PHASE 336.4 ACSR	1.6	\$86,793	\$54,246	DALE LANE
210158	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	0.79	\$35,930	\$45,481	KEITH KNOB
201049	3 PHASE 2A CU TO 336.4 ACSR	1.05	\$71,460	\$68,057	BROOKS NORTH
210872	NEW LINE 3 PHASE 336.4 ACSR	0.99	\$39,901	\$40,304	MT WASH IND SITE
990477	2 PHASE 6ACWC TO 3 PHASE 110 ACSR	2.74	\$62,050	\$22,646	31E THREE PHASE
985060	NEW LINE D C 397 SPACER (1.79 MI)	2.44	\$280,582	\$114,993	BEULAH BEAM DC
	NEW LINE 3 PHASE 397 SPACER (.65 MI)				
200161	NEW LINE 3 PHASE 110 ACSR	1.61	\$83,047	\$51,582	CEDAR GROVE NORTH
210121	NEW LINE 795 SPACER CABLE(2.79 MI)	3.64	\$325,540	\$89,434	CEDAR GROVE INDUSTRIAL PARK
	3 PHASE 2A CU TO 336.4 ACSR(0.85 MI)				
230079	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	0.98	\$39,527	\$40,334	WATERFORD RD
220704	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	0.86	\$57,223	\$66,538	HWY 660
220920	NEW LINE 397 SPACER CABLE(1.6 MI)	2.03	\$138,682	\$68,316	SCHULER INDUSTRIAL PARK
	NEW LINE 3 PHASE 336.4 ACSR(0.43 MI)				
220618	NEW LINE 3 PHASE 2 ACSR	0.59	\$22,009	\$37,303	KNOPPS DAIRY
220895	NEW LINE 3 PHASE 336.4 ACSR	0.94	\$50,516	\$53,740	CEDAR GROVE INDUSTRIAL PARK
990770	1 PHASE 6A CWC TO 1 PHASE 110 ACSR	0.84	\$35,463	\$42,218	ICETOWN RD
200325	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	1.33	\$66,520	\$50,015	STRINGTOWN RD
220195	3 PHASE 2A CU TO 336.4 ACSR	1.92	\$147,757	\$76,957	GOSPEL HILL
210359	3 PHASE 2A CU TO 336.4 ACSR(2.49 MI)	4.01	\$254,375	\$63,435	BALLTOWN
	3 PHASE 2A CU TO 397 SPACER CABLE(1.52 MI)				
200144	NEW LINE 3 PHASE 336.4 ACSR	0.78	\$81,145	\$104,032	CEDAR GROVE INDUSTRIAL PARK
201156	NEW LINE 3 PHASE 336.4 ACSR	0.22	\$14,542	\$66,100	CEDAR GROVE INDUSTRIAL PARK
980830	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	3.17	\$121,768	\$38,413	LOVE RIDGE
210696	1 PHASE 6A CWC TO 1 PHASE 110 ACSR	0.88	\$20,810	\$23,648	BLOOMFIELD SUB
201156	NEW LINE 3 PHASE 336.4 ACSR	0.22	\$14,542	\$66,100	CEDAR GROVE IND PARK
230330	1 PHASE 6A CWC TO 1 PHASE 110 SPACER CABLE	2.86	\$126,170	\$44,115	GRAYS RUN
230331	1 PHASE 6A CWC TO 1 PHASE 110 ACSR	1.74	\$80,463	\$46,243	LILLY PIKE
230147	3 PHASE 4A CU TO 336.4 ACSR	7.03	\$302,587	\$43,042	HWY 509
230126	3 PHASE 2A CU TO 397 SPACER CABLE	0.75			BROOKS SUB DC
250551	3 PHASE 110 CU TO 336.4 ACSR	1.34			NAZARETH RD CONVERSION
250395	3 PHASE 6A CU TO 336.4 ACSR	3.36			MAUD REBUILD
240396	1 PHASE 6A CU TO 336.4 ACSR	0.71			VALLEY VIEW
240267	3 PHASE 2A CU TO 336.4 ACSR				SHEPHERDSVILLE TO 480
268092	NEW LINE 3 PHASE 397 SPACER				BLUEGRASS PKWY FEEDERS
260278	3 PHASE 2A CU TO 336.4 ACSR	3.52			BALLTOWN FDR 01
267355	NEW LINE 3 PHASE 397 SPACER				CGIP FEEDERS
250897	1 PHASE 6A CWC TO 1 PHASE 110 SPACER CABLE	0.69			ZONETON RD
267851	2 PHASE 6ACWC TO 3 PHASE 336.4 ACSR	2.75			SHORT CREEK
251156	3 PHASE 110 CU TO 336.4 ACSR	2.99			W BARDSTOWN FDR 01
270712	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	0.7			MARKWELL LANE

EAST KENTUCKY POWER

SUBSTATION LOAD DATA REPORT

SALT RIVER ECC

01/01/2008 00:01 AM
To
01/31/2008 24:00 PM
COOPPKDT

Date 2/13/2008
Page

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LOCATION	MAXIMUM KW OCCURRENCE		KVA	PF	MIN VOLTS	MAX VOLTS	AVG VOLTS	MAX KVAR	MIN KVAR	LF	KWH
	KW	KVAR									
RAJ TOWN 01/25/2008 07:15	13,602	2,285	13,793	0.99	7,354	8,117	7,795	2304.7	0.0	0.55	5,595,002
BARDESTOWN SHOP CTR. 01/25/2008 07:00	10,051	1,472	10,158	0.99	7,450	8,148	7,845	1644.5	0.0	0.59	4,447,694
BEAM 01/25/2008 08:00	5,065	177	5,068	1.00	7,195	7,805	7,498	336.4	-1182.3	0.71	2,657,212
BEULAH BEAM 01/01/2008 20:30	7,072	691	7,106	1.00	7,566	8,001	7,793	728.3	-1309.5	0.49	2,599,737
BLOOMFIELD 01/25/2008 07:15	8,214	1,219	8,304	0.99	7,260	7,901	7,631	1218.8	-103.1	0.57	3,461,197
BLUE LICK 01/25/2008 08:00	8,373	409	8,383	1.00	7,562	7,886	7,713	638.5	-218.4	0.62	3,882,544
BLUEGRASS PARKWAY 01/31/2008 09:00	3,871	1,116	4,028	0.96	7,300	7,935	7,655	1248.8	-442.3	0.62	1,777,561
BROOKS 01/24/2008 21:30	10,208	1,812	10,368	0.98	7,375	7,898	7,636	1859.9	-27.4	0.68	5,200,183
CEDAR GROVE 01/25/2008 06:45	13,398	2,128	13,566	0.99	7,059	7,713	7,450	2171.6	29.9	0.54	5,394,057
CEDAR GROVE IND PARK 01/28/2008 14:00	11,713	4,701	12,621	0.93	7,249	7,710	7,484	4980.1	0.0	0.83	7,197,300
DARWIN THOMAS 01/25/2008 06:30	13,530	1,706	13,637	0.99	7,177	7,830	7,581	1706.1	-431.5	0.55	5,499,529

NOTE - DATA EXCLUDES MEMBER AND EKP OWN USE. BOTH OFF AND ON-PEAK DATA ARE INCLUDED.
MAXIMUM KW PEAK MAY NOT MATCH BILLING PEAK.
MAXIMUM KW PEAK MAY OCCUR OUTSIDE TIME-OF-DAY, DURING A SWITCH, OR DUE TO SOME UNUSUAL VOLTAGE CONDITION.
- DENOTES KVAR RECEIVED.

EAST KENTUCKY POWER

SUBSTATION LOAD DATA REPORT

SALT RIVER ECC

01/01/2008 00:01 AM
To
01/31/2008 24:00 PM
COOPPKDT

Date 2/13/2008
Page

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LOCATION	MAXIMUM KW OCCURRENCE		KVA	PF	MIN VOLTS	MAX VOLTS	AVG VOLTS	MAX KVAR	MIN KVAR	LF	KWH
	KW	KVAR									
EAST BARDESTOWN 01/25/2008 07:45	14,662	3,001	14,966	0.98	7,514	8,198	7,915	3026.3	698.4	0.55	6,044,865
FREDRICKSBURG 01/20/2008 08:45	4,415	434	4,436	1.00	7,306	7,908	7,644	674.3	-64.8	0.60	1,976,833
GOSPEL HILL 01/25/2008 06:45	6,605	52	6,606	1.00	7,886	8,253	8,068	52.4	-735.8	0.59	2,898,378
JOE TICHENOR 01/25/2008 07:00	14,785	2,397	14,978	0.99	7,303	8,143	7,797	2438.5	0.0	0.50	5,478,092
KNOB CREEK 01/25/2008 09:30	2,611	(46)	2,611	(1.00)	7,836	8,088	7,967	10.8	-291.8	0.58	1,128,103
LEBANON JUNCTION #1 01/15/2008 09:15	2,840	1,328	3,135	0.91	2,393	2,504	2,435	1413.4	6.1	0.71	1,509,660
LEBANON JUNCTION #2 01/25/2008 06:15	3,938	348	3,954	1.00	7,404	7,973	7,739	377.5	-27.4	0.58	1,706,217
LILY TULIP 01/17/2008 15:15	5,762	1,143	5,874	0.98	7,174	7,788	7,503	1221.6	-1491.0	0.74	3,157,131
LITTLE MOUNT 01/25/2008 07:00	5,481	973	5,566	0.98	7,286	7,814	7,604	1030.1	51.5	0.51	2,087,693
... ...2008 17:30	1,211	71	1,213	1.00	1,594	2,554	2,522	269.0	-158.2	0.82	742,010
MT WASHINGTON #1 01/25/2008 07:30	6,503	356	6,513	1.00	7,464	7,933	7,685	392.4	-392.4	0.63	3,042,666

NOTE - DATA EXCLUDES MEMBER AND EKP OWN USE. BOTH OFF AND ON-PEAK DATA ARE INCLUDED.
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EAST KENTUCKY POWER

SUBSTATION LOAD DATA REPORT

SALT RIVER ECC

01/01/2008 00:01 AM
 To
 01/31/2008 24:00 PM
 II

Date 2/13/2008

Page 3

LOCATION	MAXIMUM KW OCCURRENCE		KVA	PF	MIN VOLTS	MAX VOLTS	AVG VOLTS	MAX KVAR	MIN KVAR	LF	KWH
	KW	KVAR									
MT WASHINGTON #2 01/25/2008 06:30	9,084	1,151	9,156	0.99	7,466	7,958	7,707	1159.8	-125.5	0.60	4,053,753
NORTH SPRINGFIELD 01/25/2008 07:15	10,823	2,197	11,044	0.98	7,169	7,853	7,587	2200.7	539.6	0.56	4,516,193
PLEASANT GROVE 01/25/2008 06:45	8,312	589	8,333	1.00	7,138	7,728	7,481	588.6	-399.1	0.64	3,948,359
SHEPHERDSVILLE #1 01/25/2008 06:30	4,154	496	4,183	0.99	7,496	8,109	7,777	506.9	7.9	0.62	1,913,612
SHEPHERDSVILLE #2 01/25/2008 06:45	9,799	1,191	9,872	0.99	7,296	7,923	7,651	1223.2	9.0	0.58	4,224,810
SOUTH SPRINGFIELD 01/25/2008 07:00	4,280	62	4,280	1.00	7,334	7,987	7,701	111.4	-398.2	0.61	1,931,602
TAYLORSVILLE 01/25/2008 07:30	10,202	1,481	10,309	0.99	7,109	7,937	7,637	1528.1	227.8	0.56	4,259,450
WEST BARDSTOWN 01/30/2008 07:30	18,365	3,435	18,683	0.98	7,229	8,107	7,733	3435.4	0.0	0.47	6,431,092
WEST MT WASHINGTON 01/02/2008 19:45	7,649	885	7,700	0.99	7,458	7,910	7,672	897.9	20.0	0.62	3,532,797
WOOSLEY 01/25/2008 07:15	4,528	325	4,540	1.00	7,454	8,014	7,793	353.6	-342.0	0.51	1,719,275

NOTE - DATA EXCLUDES MEMBER AND EKP OWN USE. BOTH OFF AND ON-PEAK DATA ARE INCLUDED.
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 VOLTAGE CONDITION.
 (-) DENOTES KVAR RECEIVED.

EAST KENTUCKY POWER

SUBSTATION LOAD DATA REPORT

SALT RIVER ECC

01/01/2008 00:01 AM
 To
 01/31/2008 24:00 PM
 COOPPKDI

Date 2/13/2008

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<u>Total KW:</u>	261,105	<u>Total KWH:</u>	114,014,605.85
SALT RIVER ECC TOTAL SUBSTATION PEAK DEMAND 01/25/2008 07:15			249,623.00
CONTRIBUTION TO EKP SYSTEM PEAK DEMAND 01/25/2008 07:15			249,623.00
EKP SYSTEM PEAK DEMAND 01/25/2008 07:15			2,840,810.30

TOTAL SUBSTATIONS = 32

NOTE - DATA EXCLUDES MEMBER AND EKP OWN USE. BOTH OFF AND ON-PEAK DATA ARE INCLUDED.
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 MAXIMUM KW PEAK MAY OCCUR OUTSIDE TIME-OF-DAY, DURING A SWITCH, OR DUE TO SOME UNUSUAL
 VOLTAGE CONDITION.
 (-) DENOTES KVAR RECEIVED.

SALT RIVER ELECTRIC COOPERATIVE

SUMMARY OF OUTAGES

CAUSE	2003	2004	2005	2006	2007	5 YEAR AVERAGE
POWER SUPPLY	0.44	0.37	0.33	0.49	0.24	0.37
EXTREME STORM	4.38	10.49	0.00	0.71	0.72	3.26
PREARRANGED	0.06	0.13	0.06	0.06	0.03	0.07
ALL OTHERS	1.59	2.28	1.47	1.91	1.36	1.72
TOTAL	6.47	13.27	1.86	3.17	2.35	5.42

HISTORICAL DATA 2005

UNDERGROUND	NOTES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
NEW SERVICES	From Usage Report	104	76	108	114	114	142	108	122	183	140	150	151	1512
1. WORK ORDERS - CONSTRUCTED ON 219	From 219 Report	110	94	124	136	137	136	120	138	192	141	155	136	1619
2. LINEAR FEET - TOTAL	Formula	25359	18105	44236	18734	28414	52420	33488	22866	20424	16416	38411	33572	352465
PRIMARY	From Usage Report	13352	8917	24190	5520	15992	32205	17100	8161	2860	2690	20180	21095	172262
SECONDARY	From Usage Report	0	0	0	0	0	0	0	0	0	0	0	0	0
SERVICES	From Usage Report	12007	9188	20046	13214	12432	20215	16388	14725	17544	13726	16231	12487	180203
3. AVERAGE LENGTH (2/1)	Formula	231	193	357	138	207	365	279	166	106	116	248	247	218
4. COST OF UNDERGROUND (219)	From 219 Report	\$63,679.33	\$31,444.81	\$209,608.82	\$66,746.57	\$110,646.14	\$132,473.87	\$155,048.33	\$101,415.19	\$61,468.57	\$43,907.55	\$172,916.20	\$90,298.85	\$1,209,853.93
5. AVERAGE COST (2/1)	Formula	\$489.81	\$334.52	\$1,690.39	\$417.25	\$807.84	\$974.07	\$1,292.07	\$734.89	\$320.15	\$311.40	\$1,115.59	\$590.43	\$741.28
6. NEW TRANSFORMERS	From Usage Report	27	29	22	32	30	30	20	26	36	24	23	32	329
7. INSTALLED COST PER TRANSFORMER	Special Equipment	\$1,292.02	\$1,601.15	\$1,301.43	\$1,623.78	\$1,399.91	\$1,823.20	\$1,358.76	\$1,575.91	\$2,143.64	\$1,200.06	\$1,082.63	\$1,286.06	\$1,465.80
8. NEW METERS	From Usage Report	104	76	108	114	114	142	108	122	183	140	150	151	1512
9. INSTALLED COST PER METER	Special Equipment	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33
OVERHEAD														
NEW SERVICES	From Usage Report	23	29	27	25	23	30	52	25	37	33	30	25	359
10. WORK ORDERS CONSTRUCTED ON 219	From 219 Report	41	71	58	80	64	72	68	57	77	65	63	53	779
11. LINEAR FEET - TOTAL	Formula	6716	30273	8092	17733	13084	13628	15998	13276	16976	11614	15103	15122	177415
PRIMARY	From Usage Report	3209	25756	4280	14105	10889	10548	13217	10626	12432	8613	11979	12545	138399
SECONDARY	From Usage Report	0	0	0	0	0	0	0	0	0	0	0	0	0
SERVICES	From Usage Report	3507	4517	3812	3628	2195	3080	2681	2650	4444	2801	3124	2577	38016
12. AVERAGE LENGTH (11/10)	Formula	164	426	140	222	204	189	234	198	219	179	240	285	228
13. COST OF NEW CONSTRUCTION (219)	From 219 Report	\$75,305.83	\$225,149.44	\$79,360.96	\$154,202.12	\$115,339.45	\$127,190.55	\$121,704.13	\$134,162.78	\$116,771.72	\$103,569.35	\$107,565.11	\$117,937.88	\$1,478,309.32
14. AVERAGE COST NEW SERVICE (13/10)	Formula	\$1,836.73	\$3,171.12	\$1,366.29	\$1,927.53	\$1,802.18	\$1,766.54	\$1,769.77	\$2,002.43	\$1,516.52	\$1,593.66	\$1,707.86	\$2,225.24	\$1,897.70
15. NEW TRANSFORMERS	From Usage Report	30	68	22	50	36	62	40	41	52	37	47	37	522
16. INSTALLED COST PER TRANSFORMER	Special Equipment	\$576.34	\$600.25	\$667.98	\$650.62	\$643.39	\$601.14	\$587.12	\$598.86	\$780.58	\$627.59	\$636.89	\$621.20	\$632.86
17. NEW METERS	From Usage Report	23	29	27	25	23	30	52	25	37	33	30	25	359
18. INSTALLED COST PER METER	Special Equipment	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33	\$135.33
19. SECURITY LIGHT TOTAL	From Usage Report	31	29	30	39	32	27	30	24	26	23	46	44	381
20. INSTALLED COST PER LIGHT	From 219 Report	\$612.74	\$296.61	\$247.68	\$574.15	\$461.37	\$415.30	\$1,083.89	\$345.63	\$310.42	\$250.34	\$360.56	\$316.05	\$439.65
21. SYSTEM IMPROVEMENTS - TOTAL	From 219 Report	8	16	10	10	14	15	12	12	10	7	18	11	143
22. AVERAGE COST OF SYSTEM IMPROVEMENT	From 219 Report	\$781.89	\$1,036.06	\$2,379.98	\$2,219.84	\$2,403.75	\$2,335.57	\$1,760.75	\$659.72	\$692.09	\$493.62	\$719.51	\$4,048.19	\$1,627.59
23. POLE REPLACEMENTS	From 219 Report	3	34	5	10	25	25	2	29	8	9	11	17	178
24. AVERAGE COST PER REPLACEMENT	From 219 Report	\$1,562.14	\$1,696.64	\$866.63	\$1,374.47	\$2,027.03	\$934.45	\$3,120.37	\$1,479.87	\$864.05	\$568.18	\$1,884.61	\$1,738.30	\$1,528.90
25. TOTAL OF WORK ORDERS (1+10+19+21)	Formula	190	210	222	265	247	250	230	241	305	236	282	244	2922
26. TOTAL TRANSFORMERS PURCHASED - UG	Special Equipment	67	33	63	21	28	16	10	13	12	10	7	4	284
27. INSTALLED TRANSFORMER COST - UG	Special Equipment	\$86,565.15	\$52,837.85	\$81,950.35	\$31,989.45	\$39,197.60	\$29,171.20	\$13,597.60	\$20,486.78	\$25,723.72	\$12,000.60	\$7,578.42	\$5,144.24	\$406,292.86
28. TOTAL TRANSFORMERS PURCHASED - OH	Special Equipment	84	135	51	13	5	40	36	107	39	86	51	10	667
29. INSTALLED TRANSFORMER COST - OH	Special Equipment	\$48,412.76	\$91,033.65	\$34,066.89	\$9,458.07	\$3,216.95	\$24,045.60	\$21,136.20	\$64,078.40	\$30,442.80	\$60,248.20	\$32,481.20	\$6,212.00	\$413,852.72
30. TOTAL METERS PURCHASED	Special Equipment	0	0	0	30	0	0	0	0	0	0	0	0	30
31. INSTALLED METER COST	Special Equipment	\$0.00	\$0.00	\$0.00	\$9,446.60	\$665.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,411.60
32. OTHER SPECIAL EQUIPMENT PURCHASED	Special Equipment	\$5,354.58	\$28,454.72	\$0.00	\$0.00	\$2,257.19	\$13,610.47	\$7,116.40	\$3,238.81	\$0.00	\$7,243.76	\$4,175.25	\$28,619.93	\$101,071.11

HISTORICAL DATA 2006

UNDERGROUND	NOTES:	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. WORK ORDERS - CONSTRUCTED ON 219	From Usage Report	102	161	118	51	105	118	81	136	88	114	87	114	1276
2. LINEAR FEET - TOTAL	Formula	113	124	131	70	142	149	101	155	111	116	86	127	1433
3. AVERAGE COST PER TRANSFORMER	Formula	19742	59519	49011	36625	52991	32008	19639	40367	13032	19344	11525	27001	383604
4. AVERAGE COST PER METER	Formula	6570	37235	29024	27239	32894	16393	8517	25586	3447	6867	1798	3447	208735
5. AVERAGE LENGTH (21)	Formula	13172	22884	19987	12386	19997	15615	11022	14781	9585	12477	9727	13835	174868
6. AVERAGE COST OF UNDERGROUND (219)	Formula	175	480	374	566	372	216	193	260	117	167	120	213	288
7. AVERAGE COST (41)	Formula	\$73,309.00	\$254,604.01	\$181,215.79	\$246,542.02	\$370,659.01	\$198,592.36	\$133,853.53	\$259,649.50	\$82,704.67	\$122,785.42	\$60,647.30	\$155,102.61	\$2,139,655.22
8. NEW TRANSFORMERS	Formula	\$648.75	\$2,053.26	\$1,393.33	\$3,522.03	\$2,610.27	\$1,350.90	\$1,325.28	\$1,675.16	\$745.09	\$1,058.50	\$631.74	\$1,221.28	\$1,483.13
9. INSTALLED COST PER TRANSFORMER	Formula	19	27	13	33	33	31	28	26	23	19	20	18	287
10. NEW METERS	Formula	\$2,946.35	\$1,293.28	\$1,118.31	\$1,134.06	\$1,505.27	\$1,836.39	\$1,327.02	\$1,393.63	\$1,301.50	\$2,568.99	\$1,355.75	\$1,092.46	\$1,570.42
11. INSTALLED COST PER METER	Formula	102	161	118	51	105	119	81	136	88	114	87	114	1276
12. OVERHEAD	Formula	\$135.33	\$135.33	\$135.33	\$135.33	\$87.24	\$84.30	\$84.30	\$84.30	\$84.30	\$84.30	\$86.07	\$86.07	\$101.85
13. NEW SERVICES	From Usage Report	23	23	40	7	29	43	29	35	11	18	29	31	318
14. LINEAR FEET - TOTAL	Formula	56	40	68	38	55	60	49	66	28	36	46	56	598
15. PRIMARY	Formula	11895	11932	17674	8583	12577	16149	11048	14049	7103	2081	9167	12162	132420
16. SECONDARY	Formula	8177	9672	13862	5501	14072	8579	9156	11078	6923	-706	5999	10075	102388
17. SERVICES	Formula	3718	2260	3812	1082	2077	3998	1892	2871	180	2787	3168	2087	30032
18. AVERAGE LENGTH (11/10)	Formula	212	298	260	173	294	210	225	213	254	58	199	217	221
19. COST OF NEW CONSTRUCTION (219)	Formula	\$150,020.44	\$111,472.38	\$162,975.14	\$79,601.98	\$122,941.66	\$177,254.78	\$122,074.22	\$151,690.28	\$90,658.79	\$56,732.70	\$154,264.00	\$147,201.72	\$1,526,888.09
20. AVERAGE COST NEW SERVICE (13/10)	Formula	\$2,678.94	\$2,786.81	\$2,396.69	\$2,094.79	\$2,235.30	\$2,954.25	\$2,491.31	\$2,289.34	\$3,237.81	\$1,575.91	\$3,353.57	\$2,628.60	\$2,553.32
21. NEW TRANSFORMERS	Formula	36	31	46	21	33	36	34	42	21	24	24	33	385
22. INSTALLED COST PER TRANSFORMER	Formula	\$628.31	\$635.59	\$618.20	\$668.92	\$668.92	\$631.31	\$635.44	\$672.66	\$686.89	\$655.81	\$686.49	\$634.01	\$651.89
23. NEW METERS	Formula	23	23	40	7	29	43	29	35	11	18	29	31	318
24. INSTALLED COST PER METER	Formula	\$135.33	\$135.33	\$135.33	\$135.33	\$87.24	\$84.30	\$84.30	\$84.30	\$84.30	\$84.30	\$86.07	\$86.07	\$101.85
25. SECURITY LIGHT TOTAL	From Usage Report	36	21	67	11	39	51	10	40	38	41	26	21	401
26. INSTALLED COST PER LIGHT	From Usage Report	\$410.47	\$417.20	\$472.27	\$371.61	\$217.42	\$315.69	\$379.84	\$490.93	\$592.17	\$671.97	\$455.84	\$523.49	\$439.91
27. SYSTEM IMPROVEMENTS - TOTAL	From 219 Report	10	7	14	4	14	7	8	12	8	4	7	5	100
28. AVERAGE COST OF SYSTEM IMPROVEMENT	From 219 Report	\$1,028.10	\$1,988.50	\$696.05	\$1,736.41	\$826.53	\$1,055.22	\$1,062.09	\$583.89	\$1,125.52	\$1,387.48	\$635.96	\$444.86	\$1,064.30
29. POLE REPLACEMENTS	From 219 Report	1	21	37	19	16	25	6	48	14	17	16	21	241
30. AVERAGE COST PER REPLACEMENT	From 219 Report	\$907.62	\$2,519.60	\$1,460.02	\$2,647.74	\$2,037.81	\$1,350.23	\$1,946.22	\$1,540.82	\$1,530.19	\$1,512.93	\$2,006.11	\$2,056.85	\$1,784.69
31. TOTAL OF WORK ORDERS (1+10+19+21)	Formula	215	192	280	123	250	265	168	273	185	197	175	209	2532
32. TOTAL TRANSFORMERS PURCHASED - UG	Special equipment	7	49	59	17	56	33	7	56	41	5	75	13	418
33. INSTALLED TRANSFORMER COST - UG	Special equipment	\$20,624.42	\$63,370.94	\$65,980.54	\$19,279.02	\$84,295.36	\$60,666.88	\$9,289.15	\$78,043.24	\$53,351.39	\$12,844.95	\$101,681.25	\$19,124.27	\$588,561.51
34. TOTAL TRANSFORMERS PURCHASED - OH	Special equipment	92	119	34	145	0	95	15	49	10	27	13	29	628
35. INSTALLED TRANSFORMER COST - OH	Special equipment	\$87,804.40	\$75,635.80	\$21,018.80	\$96,993.00	\$0.00	\$59,974.00	\$9,531.65	\$32,960.39	\$6,868.85	\$17,709.67	\$9,824.43	\$20,922.19	\$408,343.18
36. TOTAL METERS PURCHASED	Special equipment	0	0	0	0	784	768	0	0	0	0	768	0	2320
37. INSTALLED METER COST	Special equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$69,394.54	\$84,739.33	\$4,482.25	\$84.30	\$84.30	\$84.30	\$66,098.69	\$84.30	\$204,082.01
38. OTHER SPECIAL EQUIPMENT PURCHASED	Special equipment	\$0.00	(\$1,690.70)	\$632.47	\$0.00	\$0.00	\$0.00	\$5,535.70	\$3,879.57	\$2,025.00	\$0.00	\$33,058.96	\$0.00	\$43,441.00

HISTORICAL DATA 2007

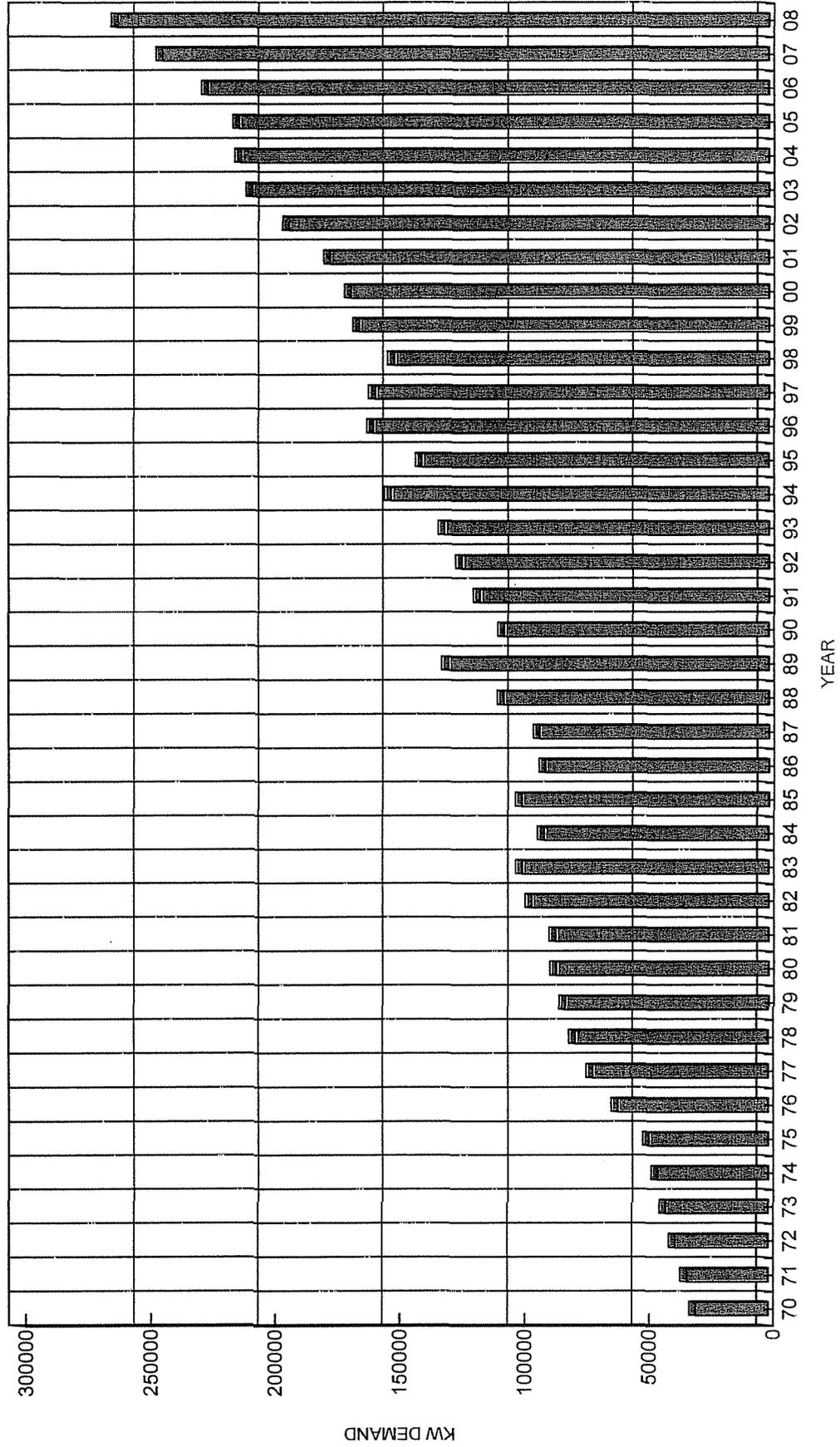
UNDERGROUND	Notes:	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
NEW SERVICES	From Usage Report	53	61	87	70	61	84	66	116	88	76	97	96	955
1. WORK ORDERS - CONSTRUCTED ON 219	From 219 Report	48	71	127	84	75	97	74	141	87	79	98	91	1072
2. LINEAR FEET - TOTAL	Formula	5934	14217	39189	12586	14148	30633	10558	14148	12193	18570	12925	10820	204697
PRIMARY	From Usage Report	566	4353	23717	3648	7054	3287	2784	23072	4422	7105	1543	825	82356
SECONDARY	N/A													
SERVICES	From Usage Report	5368	9864	15472	8938	7094	9786	7774	17432	7771	11465	11382	9995	122341
3. AVERAGE LENGTH (21)	Formula	124	200	309	150	189	135	143	287	140	235	132	119	181
4. COST OF UNDERGROUND (219)	From 219 Report	\$34,848.30	\$101,308.11	\$300,804.09	\$74,087.69	\$74,861.61	\$85,079.09	\$55,427.74	\$254,192.50	\$55,900.06	\$109,059.99	\$75,199.98	\$119,709.13	\$1,318,127.29
5. AVERAGE COST (41)	Formula	\$726.01	\$1,426.87	\$2,368.54	\$682.00	\$995.49	\$670.92	\$722.00	\$1,802.78	\$642.53	\$1,380.42	\$767.34	\$1,315.48	\$1,229.73
6. NEW TRANSFORMERS	From Usage Report	7	26	50	21	16	16	17	28	19	17	16	23	256
7. INSTALLED COST PER TRANSFORMER	Formula	\$1,438.36	\$2,370.90	\$1,840.79	\$1,281.43	\$6,468.46	\$1,330.88	\$2,427.92	\$2,627.19	\$1,578.77	\$2,607.11	\$3,877.88	\$2,002.51	\$1,754.17
8. NEW METERS	From Usage Report	53	61	87	70	61	84	66	116	86	76	97	96	955
9. INSTALLED COST PER METER	Special Equipment	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$107.05	\$107.16	\$89.58
OVERHEAD														
NEW SERVICES	From Usage Report	13	15	18	14	16	18	18	33	18	23	15	20	221
10. WORK ORDERS - CONSTRUCTED ON 219	From 219 Report	17	33	53	25	42	40	31	63	33	40	27	45	449
11. LINEAR FEET - TOTAL	Formula	2745	5472	3954	5297	9200	3727	2484	17436	10675	4088	9274	12549	86801
PRIMARY	From Usage Report	1447	3545	2952	3621	7661	3743	1487	16942	9422	2694	9653	10510	73617
SECONDARY	N/A													
SERVICES	From Usage Report	1288	1927	1062	1678	1339	484	987	494	1253	1394	-379	1739	13284
12. AVERAGE LENGTH (11/0)	Formula	161	166	75	212	219	93	80	277	323	102	343	279	194
13. COST OF NEW CONSTRUCTION (219)	From 219 Report	\$67,301.31	\$89,768.49	\$129,437.06	\$45,217.56	\$96,320.17	\$81,034.70	\$51,900.61	\$175,754.56	\$128,369.17	\$131,297.90	\$79,878.31	\$179,025.61	\$1,255,405.66
14. AVERAGE COST NEW SERVICE (13/10)	Formula	\$3,958.90	\$2,720.26	\$2,442.21	\$1,808.70	\$2,283.34	\$2,026.67	\$1,674.21	\$2,789.75	\$3,889.97	\$3,282.45	\$2,962.16	\$3,978.95	\$2,796.00
15. NEW TRANSFORMERS	From Usage Report	15	26	34	10	33	25	14	36	19	34	18	22	286
16. INSTALLED COST PER TRANSFORMER	Formula	\$606.90	\$940.17	\$1,034.39	\$955.11	\$724.78	\$910.52	\$666.96	\$1,053.88	\$917.91	\$947.20	\$896.77	\$1,076.65	\$910.20
17. NEW METERS	From Usage Report	13	15	18	14	16	18	18	33	18	23	15	20	221
18. INSTALLED COST PER METER	Special Equipment	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$86.07	\$107.05	\$107.16	\$89.58
19. SECURITY LIGHT TOTAL	From Usage Report	10	90	50	21	31	19	14	40	20	64	25	48	432
20. INSTALLED COST PER LIGHT	From 219 Report	\$890.03	\$546.71	\$605.86	\$554.23	\$442.43	\$552.18	\$609.58	\$563.49	\$402.71	\$653.10	\$367.03	\$686.84	\$574.68
21. SYSTEM IMPROVEMENTS - TOTAL	From 219 Report	1	7	10	2	6	17	4	13	9	8	8	6	91
22. AVERAGE COST OF SYSTEM IMPROVEMENT	From 219 Report	\$1,279.68	\$1,142.79	\$7,181.16	\$1,052.00	\$2,056.76	\$842.37	\$1,077.08	\$1,023.73	\$1,115.67	\$591.26	\$644.51	\$4,681.48	\$1,690.71
23. POLE REPLACEMENTS	From 219 Report	6	71	25	4	35	57	49	20	28	71	23	67	458
24. AVERAGE COST PER REPLACEMENT	From 219 Report	\$3,668.73	\$2,055.40	\$1,829.54	\$2,646.11	\$1,300.38	\$1,515.30	\$1,796.44	\$2,135.76	\$2,849.08	\$1,502.51	\$1,748.69	\$2,441.89	\$2,140.74
25. TOTAL OF WORK ORDERS (1+10+19+21)	Formula	76	201	240	132	154	173	123	257	149	191	158	190	2044
26. TOTAL TRANSFORMERS PURCHASED - UG	Special equipment	58	9	6	28	3	81	2	13	5	18	6	23	252
27. INSTALLED TRANSFORMER COST - UG	Special equipment	\$83,424.82	\$21,338.11	\$11,044.74	\$35,880.12	\$19,405.37	\$107,800.99	\$4,855.84	\$34,153.40	\$7,893.84	\$46,928.05	\$23,267.27	\$46,057.68	\$442,050.23
28. TOTAL TRANSFORMERS PURCHASED - OH	Special equipment	70	81	26	4	3	58	57	29	58	68	53	22	529
29. INSTALLED TRANSFORMER COST - OH	Special equipment	\$56,492.70	\$76,153.91	\$26,894.19	\$3,920.44	\$2,174.33	\$47,010.38	\$49,530.87	\$30,562.60	\$53,238.82	\$64,409.84	\$47,528.73	\$23,686.35	\$461,493.16
30. TOTAL METERS PURCHASED	Special equipment	0	8	0	0	0	9	0	0	12	0	6912	6912	13653
31. INSTALLED METER COST	Special equipment	\$0.00	\$3,028.76	\$0.00	\$0.00	\$0.00	\$3,877.95	\$0.00	\$0.00	\$4,959.53	\$0.00	\$739,929.60	\$740,661.00	\$1,492,256.23
32. OTHER SPECIAL EQUIPMENT PURCHASED	Special equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,318.39	\$0.00	\$1,640.37	\$26,444.88	\$7,202.69	\$0.00	\$1,770.21	\$40,377.54

HISTORICAL DATA 2005-2007

PROJECTED

	2005-2007		2005-2007		ACTUAL 2007		ESTIMATED 36 MONTH WORK PLAN PERIOD		TOTAL
	TOTAL	AVERAGE	2005-2007	AVERAGE	2007	2008	2009	2010	
UNDERGROUND									
1. NEW SERVICES - CONSTRUCTED	4124	1375	1375	1072	1000	1000	1000	1000	3000
2. LINEAR FEET: TOTAL	940766	313589	313589	204697	204697	204697	204697	204697	614091
PRIMARY	463354	154451	154451	82356	82356	82356	82356	82356	247068
SECONDARY	0	0	0	0	0	0	0	0	0
SERVICES	477412	159137	159137	122341	122341	122341	122341	122341	367023
3. AVERAGE LENGTH (2/1)	676	225	225	191	191	191	191	191	191
4. COST OF UNDERGROUND (219)	\$4,667,779	\$1,555,926	\$1,555,926	\$1,318,270.29	\$1,318,270.29	\$1,318,270	\$1,318,270	\$1,318,270	\$3,954,811
5. AVERAGE COST (4/1)	\$3,470	\$1,157	1157	\$1,229.73	1273	\$1,317	\$1,363	\$1,363	\$3,953,511
6. NEW TRANSFORMERS	872	291	291	256	256	256	256	256	768
7. INSTALLED COST PER TRANSFORMER	\$4,790	\$1,597	1597	\$1,754.17	\$1,816	\$1,879	\$1,945	\$1,945	\$1,443,724
8. NEW METERS	3743	1248	1248	955	1000	1000	1000	1000	3000
9. INSTALLED COST PER METER	\$327	\$109	109	\$89.58	\$105.00	\$105.00	\$105.00	\$105.00	\$315,000
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
OVERHEAD									
10. NEW SERVICES CONSTRUCTED	898	299	299	225	225	225	225	225	675
11. LINEAR FEET - TOTAL	1826	609	609	449	449	449	449	449	1347
PRIMARY	396736	132245	132245	86901	86901	86901	86901	86901	260703
SECONDARY	314404	104801	104801	73617	73617	73617	73617	73617	220851
SERVICES	82332	27444	27444	13284	13284	13284	13284	13284	39852
12. AVERAGE LENGTH (11/10)	643	214	214	194	194	194	194	194	194
13. COST OF NEW CONSTRUCTION (219)	\$4,432,801	\$1,477,600	1477600	\$1,427,603.17	\$1,427,603	\$1,427,603	\$1,427,603	\$1,427,603	\$4,282,810
14. AVERAGE COST NEW SERVICE (13/10)	\$7,631	\$2,544	2,543.51	\$3,179.52	3291	\$3,406	\$3,525	\$3,525	\$2,299,942
15. NEW TRANSFORMERS	1193	398	398	286	286	286	286	286	858
16. INSTALLED COST PER TRANSFORMER	\$2,195	\$732	731.58	\$910.20	942	\$975	\$1,009	\$1,009	\$636,900
17. NEW METERS	898	299	299	221	225	225	225	225	675
18. INSTALLED COST PER METER	\$327	\$109	108.92	\$89.58	\$105.00	\$105.00	\$105.00	\$105.00	\$70,875
0	0	0	0	0	0	0	0	0	0
19. SECURITY LIGHT TOTAL	1214	405	405	432	432	432	432	432	1296
20. INSTALLED COST PER LIGHT	\$1,454	\$485	\$484.72	\$574.68	\$575	\$575	\$575	\$575	\$744,789
0	0	\$0	0	0	0	0	0	0	0
21. SERVICE UPGRADES(SERIES 602)	337	\$112	\$112	\$94.00	94	\$94	\$94	\$94	282
22. AVERAGE COST OF SYSTEM IMPROVEMENTS	\$4,476	\$1,492	\$1,491.99	\$1,784.07	\$1,847	\$1,911	\$1,978	\$1,978	\$539,153
23. POLE REPLACEMENTS	877	292	292	300	300	300	300	300	900
24. AVERAGE COST PER REPLACEMENT	\$5,454	\$1,818	\$1,818.10	\$2,140.74	\$2,216	\$2,293	\$2,373	\$2,373	\$2,064,703
0	0	0	0	0	0	0	0	0	0
25. TOTAL OF WORK ORDERS (1+10+19+21)	7501	2500	2500	2047	2047	2047	2047	2047	6141
0	0	0	0	0	0	0	0	0	0
26. TOTAL TRANSFORMERS PURCHASED - UG	954	318	318	252	252	252	252	252	756
27. INSTALLED TRANSFORMER COST - UG	\$1,436,905	\$478,968	\$478,968.23	\$442,050.23	\$442,050	\$442,050	\$442,050	\$442,050	\$1,326,151
28. TOTAL TRANSFORMERS PURCHASED - OH	1824	608	608	529	529	529	529	529	1587
29. INSTALLED TRANSFORMER COST - OH	\$1,303,669	\$434,556	\$434,556.35	\$481,493.16	\$481,493	\$481,493	\$481,493	\$481,493	\$1,444,479
30. TOTAL METERS PURCHASED	16203	5401	5401	13853	13853	13853	13853	13853	41559
31. INSTALLED METER COST	\$1,706,730	\$568,910	\$568,909.95	\$1,492,256.23	\$1,492,256	\$1,492,256	\$1,492,256	\$1,492,256	\$4,476,769
32. OTHER SPECIAL EQUIPMENT PURCHASED	\$184,890	\$61,630	\$61,629.88	\$40,377.54	\$40,378	\$40,378	\$40,378	\$40,378	\$121,133

MAXIMUM KW DEMAND
1970-2008



SUBSTATION LOADING TABLE

SUBSTATION	MAX. LIMIT		PROJECTED			PROJECTED		
	SUMMER RATING	WINTER RATING	2007	2008	2011	2012	PERCENT CAPACITY	PERCENT CAPACITY
			SUMMER PERCENT CAPACITY	WINTER PERCENT CAPACITY	SUMMER PERCENT CAPACITY	WINTER PERCENT CAPACITY		
BALLTOWN	14,840	18,340	10158	13602	11682	15642	79	85
BARDSTOWN SHOP. CTR.	12,320	14,428	9164	10051	10539	11559	86	80
BEAM	6,095	7,533	4197	5065	4827	5825	79	77
BEULAH BEAM	14,428	14,428	8372	7072	9628	8133	67	56
BLOOMFIELD	9,815	14,428	6309	8214	7255	9446	74	65
BLUE LICK	14,428	14,428	8751	8373	10064	9629	70	67
BLUEGRASS PARKWAY	9,815	14,428	5590	3871	6429	4452	65	31
BROOKS	13,230	17,550	11197	10208	12877	11739	97	67
CEDAR GROVE	14,840	18,340	9844	13398	11321	15408	76	84
CEDAR GROVE INDUSTRIAL	16,960	20,960	16428	11713	18892	13470	111	64
DARWIN THOMAS	16,960	18,340	11737	13530	13498	15560	80	85
EAST BARDSTOWN	14,840	18,340	10930	14662	12570	16861	85	92
FREDRICKSBURG	13,230	14,428	3534	4415	4064	5077	31	35
GOSPEL HILL	9,815	14,428	5642	6605	6488	7596	66	53
JOE TICHENOR	14,428	14,428	10525	14785	12104	17003	84	118
KNOB CREEK	2,650	3,625	2029	2611	2333	3003	88	83
LEBANON JUNCTION #1	5,300	7,575	2702	2840	3107	3266	59	45
LEBANON JUNCTION #2	4,922	7,575	3370	3938	3876	4529	79	60
LITTLE MOUNT	16,960	20,960	3961	5481	4555	6303	27	30
MT. WASHINGTON # 1	14,840	18,340	8801	6503	10121	7478	68	41
MT. WASHINGTON # 2	14,428	14,428	9170	9084	10546	10447	73	72
NORTH SPRINGFIELD	12,320	15,792	7973	10823	9169	12446	74	79
PLEASANT GROVE	14,428	14,428	11941	8312	13732	9559	95	66
SHEPHERDSVILLE #1	13,230	14,428	3726	4154	4285	4777	32	33
SHEPHERDSVILLE #2	14,428	14,428	10345	9799	11897	11269	82	78
SOUTH SPRINGFIELD	6,826	7,581	3632	4280	4177	4922	61	65
TAYLORSVILLE	14,428	14,428	7920	10202	9108	11732	63	81
W. MT. WASHINGTON	14,840	18,340	10956	7649	12599	8796	85	48
WEST BARDSTOWN	14,840	18,340	12392	18365	14251	21120	96	115
WOOSLEY	5,120	6,327	3066	4528	3526	5207	69	82
TOTALS			234362	254133	269516	292253		

**** FLAGGED AT 90 % (actual)

**** FLAGGED AT 90% (projected)

- ****DEATSVILLE TO ELIMINATE LOADING PROBLEMS ON JOE TICHENOR AND WEST BARDSTOWN IN 2008
- ****CEDAR GROVE INDUSTRIAL PARK TO BE DOUBLED IN SIZE IN 2009
- ****BROOKS TO BE DOUBLED IN SIZE IN 2009
- ****EAST BARDSTOWN LOAD TO BE SHIFTED TO BLUEGRASS PARKWAY IN 2009

SUBSTATION	TRANSFORMER			REGULATOR WINDING			REG TAP CHANGER			HS FUSE				MAX. LIMIT	
	BASE RATING	SUMMER RATING	WINTER RATING	BASE RATING	SUMMER RATING	WINTER RATING	AMP RATING	S&W RATING	AMP RATING	VOLTAGE KV	SUMMER RATING	SUMMER RATING	WINTER RATING	SUMMER RATING	WINTER RATING
BALLTOWN	14,000	14,840	18,340	686	26,362	34,451	900	19,439	125	69	15,810	20,990	14,840	18,340	
BARSTOWN SHOP. CTR.	11,200	12,320	15,792	466	17,908	23,403	668	14,428	100	69	13,230	17,550	12,320	14,428	
BEAM	5,750	6,095	7,533	333	9,815	15,105	668	14,428	65	69	10,130	11,650	6,095	7,533	
BEULAH BEAM	14,000	14,840	18,340	466	17,908	23,403	668	14,428	125	69	15,810	20,990	14,428	14,428	
BLOOMFIELD	11,200	12,320	15,792	333	9,815	15,105	668	14,428	100	69	13,230	17,550	9,815	14,428	
BLUE LICK	14,000	14,840	18,340	466	17,908	23,403	668	14,428	125	69	15,810	20,990	14,428	14,428	
BLUEGRASS PARKWAY	11,200	12,320	15,792	333	9,815	15,105	668	14,428	100	69	13,230	17,550	9,815	14,428	
BROOKS	14,000	14,840	18,340	466	17,908	23,403	668	14,428	125	69	15,810	20,990	14,428	14,428	
CEDAR GROVE INDUSTRIAL	14,000	14,840	18,340	686	26,362	34,451	1167	25,206	-----	161	-----	-----	16,960	20,960	
CEDAR GROVE INDUSTRIAL	16,000	16,960	20,960	686	26,362	34,451	900	19,439	-----	161	-----	-----	16,960	19,439	
DARWIN THOMAS	16,000	16,960	20,960	466	17,908	23,403	900	19,439	125	69	15,810	20,990	14,840	18,340	
EAST BARDSTOWN	14,000	14,840	18,340	686	26,362	34,451	668	14,428	100	69	13,230	17,550	13,230	14,428	
FREDRICKSBURG	14,000	14,840	18,340	466	17,908	23,403	668	14,428	200	34.5	12,300	16,320	9,815	14,428	
GOSPEL HILL	11,200	12,320	15,792	333	9,815	15,105	668	14,428	125	69	15,810	20,990	14,428	14,428	
JOE TICHENOR	14,000	14,840	18,340	466	17,908	23,403	668	14,428	125	69	15,810	20,990	2,650	3,625	
KNOB CREEK	2,500	2,650	3,625	167	4,922	7,575	351	7,581	65	34.5	5,430	5,830	2,650	3,625	
LEBANON JUNCTION #1	5,000	5,300	7,250	466	17,908	23,403	668	14,428	50	69	8,060	8,960	5,300	7,250	
LEBANON JUNCTION #2	5,000	5,300	7,250	167	4,922	7,575	351	7,581	-----	161	-----	-----	4,922	7,575	
LITTLE MOUNT	5,600	6,160	7,896	686	26,362	34,451	1167	25,206	-----	161	-----	-----	16,960	20,960	
LITTLE MOUNT	16,000	16,960	20,960	686	26,362	34,451	900	19,439	125	69	15,810	20,990	14,840	18,340	
MT. WASHINGTON #1	14,000	14,840	18,340	466	17,908	23,403	668	14,428	125	69	15,810	20,990	14,428	14,428	
MT. WASHINGTON #2	14,000	14,840	18,340	466	17,908	23,403	1167	25,206	100	69	13,230	17,550	12,320	15,792	
NORTH SPRINGFIELD	11,200	12,320	15,792	667	19,660	30,255	668	14,428	125	69	15,810	20,990	14,428	14,428	
PLEASANT GROVE	14,000	14,840	18,340	466	17,908	23,403	668	14,428	100	69	13,230	17,550	13,230	14,428	
SHEPHERDVILLE #1	14,000	14,840	18,340	466	17,908	23,403	668	14,428	125	69	15,810	20,990	14,428	14,428	
SHEPHERDVILLE #2	14,000	14,840	18,340	333	9,815	15,105	668	14,428	125	69	15,810	20,990	14,428	14,428	
SOUTH SPRINGFIELD	6,440	6,826	8,436	466	17,908	23,403	351	7,581	65	69	10,130	11,650	6,826	7,581	
TAYLORSVILLE	14,000	14,840	18,340	466	17,908	23,403	668	14,428	125	69	15,810	20,990	14,428	14,428	
TAYLORSVILLE	14,000	14,840	18,340	466	17,908	23,403	900	19,439	125	69	15,810	20,990	14,840	18,340	
W. MT. WASHINGTON	14,000	14,840	18,340	686	26,362	34,451	900	19,439	125	69	15,810	20,990	14,840	18,340	
WEST BARDSTOWN	14,000	14,840	18,340	333	9,815	15,105	668	14,428	50	69	8,060	8,960	14,840	18,340	
WOOSLEY	4,830	5,120	6,327	333	9,815	15,105	668	14,428	50	69	8,060	8,960	5,120	6,327	

STATUS OF 2005-2008 CONSTRUCTION WORK PLAN

SERIES

301 COMPLETED
302 CARRYOVER
303 CARRYOVER
304 CARRYOVER
305 DELETED
306 IN PROGRESS OF BEING COMPLETED
307 COMPLETED
308 COMPLETED
309 COMPLETED
310 CARRYOVER
311 DELETED
312 CARRYOVER
313 COMPLETED
314 DELETED
315 COMPLETED
316 DELETED
317 COMPLETED
318 DELETED
319 CARRYOVER
320 DELETED
321 COMPLETED

we are still waiting for hwy 31e road relocation which is in the process of being completed

**SALT RIVER ELECTRIC SYSTEM PLANNING REPORT
 DISTRIBUTION COST SUMMARY
 2008-2011 CONSTRUCTION WORK PLAN 300 SERIES**

SUBSTATION		FEEDER NUMBER	RUS CODE	NEW CONDUCTOR SIZE	COST PER MILE	NO. OF MILES	EXTENDED COST
BALLTOWN	*** Balltown Substation to Ky 46	F2 & F4	301	D.C. 2ACWC TO D.C. 336.4 ACSR	\$148,000	1.70	\$251,600
BARDSTOWN SHOPPING CENTER	*** Bardstown Shopping Center to Botland Pottershop	F2 F2	302 303	3 PHASE 2ACWC TO 3 PHASE 336.4 ACSR 1 PHASE 6ACWC TO 3 PHASE 336.4 ACSR	\$81,000 \$81,000	2.48 1.40	\$200,880 \$113,400
BLOOMFIELD	*** Chaplin Road	F4	304	3 PHASE 110 CU TO 3 PHASE 336.4 ACSR	\$81,000	2.20	\$178,200
CEDAR GROVE	Cedar Grove Substation to Clarks Lane	F3	305	3 PHASE 2ACWC TO 3 PHASE 336.4 ACSR	\$81,000	2.35	\$190,350
NORTH SPRINGFIELD	North Springfield to Thompsonville	F1	306	3 PHASE 2ACWC TO 3 PHASE 336.4 ACSR	\$81,000	2.66	\$215,460
WEST BARDSTOWN	*** West Bardstown to Boston Road	F4 & F5	307	D.C. 110 CU TO D.C. 3336.4 ACSR	\$148,000	4.29	\$634,920
DARWIN THOMAS	*** Plum Ridge Road Dale Lane	F4 F3	308 309	1 PHASE 6ACWC TO 3 PHASE 110 ACSR 3 PHASE 2ACWC TO 3 PHASE 336.4 ACSR	\$81,000 \$81,000	1.65 3.57	\$133,650 \$289,170
KNOB CREEK	Pendleton Hill Road	F1	310	1 PHASE 6ACWC TO 3 PHASE 110 ACSR	\$81,000	1.49	\$120,690
DEATSVILLE	South St Gregory Road	F1	311	1 PHASE 2ACSR TO 3 PHASE 110 ACSR	\$81,000	0.69	\$55,890
TOTAL							\$2,384,210

2008-2011 CONSTRUCTION WORK PLAN CONDUCTOR REPLACEMENT SERIES 608

JOB NAME	COUNTY	DISTANCE	CONDUCTOR CHANGE	COST PER MILE	EXTENDED COST
Horsefly Hollow Road	Bullitt	1.4	6A cwc to 1/0 ACSR	\$62,000	\$86,800
Mt Elmira Road	Bullitt	2.4	6A cwc to 1/0 ACSR	\$62,000	\$146,940
TOTAL MILES		3.8		TOTAL	\$233,740

**2008-2011 CONSTRUCTION WORK PLAN
SECTIONALIZING EQUIPMENT (SERIES 603)**

NEW OCR (VACUUM)	60	\$2,200	\$132,000
UPGRADE EXISTING OCR	75	\$340	\$25,500
CUTOUPS	560	\$100	\$56,000
OCR MAINTENANCE	347	\$130	\$45,110
AIR BREAK SWITCHES (GAOB)	25	\$5,000	\$125,000
TOTAL			\$383,610

DISTRIBUTION LINE VOLTAGE REGULATORS

CFR CODE: 604

ESTIMATED COST: \$687,000

BALLTOWN	F1	1 PHASE 100 AMP REGULATOR	\$8,800
	F4	1 PHASE 100 AMP REGULATOR	\$8,800
	F4	1 PHASE 100 AMP REGULATOR	\$8,800
BARDSTOWN SHOPPING CENTER	F1	3 PHASE 150 AMP REGULATOR BANK	\$27,700
	F2	1 PHASE 100 AMP REGULATOR	\$8,800
BLOOMFIELD	F1	3 PHASE 300 AMP REGULATOR BANK	\$46,300
	F4	3 PHASE 150 AMP REGULATOR BANK	\$27,700
EAST BARDSTOWN	F1	3 PHASE 300 AMP REGULATOR BANK	\$46,300
	F1	3 PHASE 300 AMP REGULATOR BANK	\$46,300
	F2	1 PHASE 100 AMP REGULATOR	\$8,800
	F2	1 PHASE 100 AMP REGULATOR	\$8,800
CEDAR GROVE	F2	1 PHASE 100 AMP REGULATOR	\$8,800
MT WASHINGTON	F6	3 PHASE 300 AMP REGULATOR BANK	\$46,300
NORTH SPRINGFIELD	F1	3 PHASE 300 AMP REGULATOR BANK	\$46,300
	F5	3 PHASE 300 AMP REGULATOR BANK	\$26,600
SHEPHERDSVILLE #1	F3	3 PHASE 150 AMP REGULATOR BANK	\$27,700
SHEPHERDSVILLE #2	F6	3 PHASE 150 AMP REGULATOR BANK	\$27,700
SOUTH SPRINGFIELD	F2	1 PHASE 100 AMP REGULATOR	\$8,800
TAYLORSVILLE	F2	3 PHASE 300 AMP REGULATOR BANK	\$46,300
	F4	1 PHASE 100 AMP REGULATOR	\$8,800
WEST BARDSTOWN	F4	3 PHASE 150 AMP REGULATOR BANK	\$27,700
JOE TICHENOR	F3	3 PHASE 150 AMP REGULATOR BANK	\$27,700
	F3	1 PHASE 100 AMP REGULATOR	\$8,800
	F4	3 PHASE 150 AMP REGULATOR BANK	\$27,700
DARWIN THOMAS	F2	1 PHASE 100 AMP REGULATOR	\$8,800
	F3	3 PHASE 150 AMP REGULATOR BANK	\$27,700
FREDRICKSBURG	F1	1 PHASE 100 AMP REGULATOR	\$8,800
	F3	3 PHASE 150 AMP REGULATOR BANK	\$27,700
LITTLE MOUNT	F4	3 PHASE 150 AMP REGULATOR BANK	\$27,700
TOTAL			\$687,000

**2008-2011 CONSTRUCTION WORK PLAN
CAPACITORS (SERIES 605)**

FIXED CAPACITORS	25	\$1,830	\$45,750
SWITCHED CAPACITORS	42	\$3,120	\$131,040
TOTAL			\$176,790

**2008-2011 CONSTRUCTION WORK PLAN
AMR
HUNT TECHNOLOGY TURTLE II UPGRADE**

THREE PHASE METERS	228	\$1,500	\$342,000
RESIDENTIAL METERS	31,100	\$105	\$3,265,500
SUBSTATION EQUIPMENT	20	\$44,750	\$895,000

SALT RIVER ECC SUBSTATIONS

	2007 KW ACTUAL 02-07	2011 KW PROPOSED
01 BALLTOWN	12614	13875
02 BARDSTOWN SHOPPING CT	9840	10824
03 BEAMS	4954	5449
04 BLOOMFIELD	7665	8432
05 BLUE LICK	8423	9265
06 BROOKS	9809	10790
07 EAST BARDSTOWN	14210	15631
08 GOSPEL HILL	6217	6839
09 LEBANON JCT #1	2736	3010
10 OWENS ILLINOIS	5869	6456
11 CEDAR GROVE	12943	14237
12 MT. WASHINGTON #1	6129	6742
12 MT, WASHINGTON #2	8680	9548
13 NORTH SPRINGFIELD	10174	11191
14 PLEASANT GROVE	9150	10065
15 SHEPHERDSVILLE #1	11941	13135
15 SHEPHERDSVILLE #2	3726	4099
16 S. SPRINGFIELD	4094	4503
17 TAYLORSVILLE	9785	10764
18 WEST BARDSTOWN	14575	16033
19 WOOSLEY	3911	4302
20 W. MT. WASHINGTON	10946	12041
21 BELULAH BEAM	8732	9605
22 JOE TICHENOR	13730	15103
23 DARWIN THOMAS	12364	13600
24 KNOB CREEK	2457	2703
25 LEBANON JCT. #2	3586	3945
26 FREDERICKBURG	4324	4756
27 LITTLE MOUNT	5357	5893
28 BLUEGRASS PARKWAY	5590	6149
29 CEDAR GROVE INDUSTRIAL PARK	16428	18071
30 DEATSVILLE	0	5210
TOTAL	260959	292265

**** CEDAR GROVE INDUSTRIAL PARK TO ADD TRANSFORMER IN 2008

YEAR: 2009

PROJECT NAME: **Balltown Substation to Ky 46**

CFR CODE: **301**

ESTIMATED COST: \$251,600

*** Carryover Item 302 2005-2008 CWP

DESCRIPTION OF PROPOSED CONSTRUCTION:

A 1.7 mile conversion from DC 2acwc to DC 336.4 acsr along HWY 31E in central Nelson County. This project is on Balltown Substation fdr 02 and 04.

REASON FOR PROPOSED CONSTRUCTION

This project will correct voltage problems on circuits 02 and 04 that dip to 114 volts.

RESULTS OF PROPOSED CONSTRUCTION:

With the construction of this project all design criteria items will be met.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

Alternative number 2 includes the use of regulators to solve voltage problems. This plan is not as reliable as the conversion work. Economic analysis suggests that the conversion project is the best plan for the future.

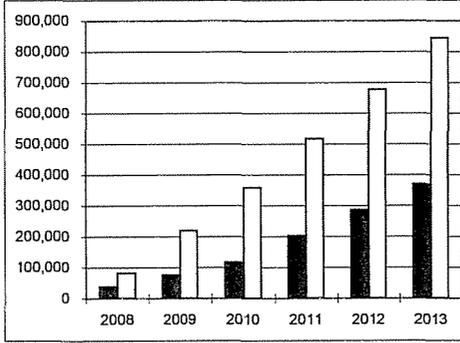
COMPARISON OF TOTAL ACCUMULATED COST and kWh LOSSES OF PLAN 1 vs PLAN 2

(All costs are the the accumulated present worth of the inflated cost)

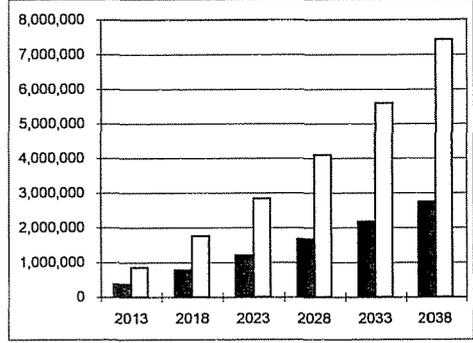
TOTAL COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	36,900	81,900
2009	75,100	218,000
2010	117,500	358,700
2011	201,600	516,100
2012	285,100	678,100
2013	368,200	844,700
2018	782,400	1,756,700
2023	1,207,500	2,825,300
2028	1,661,500	4,090,100
2033	2,163,400	5,599,400
2038	2,749,600	7,416,700

For first 6 years, favor PLAN 1 by 56.4%



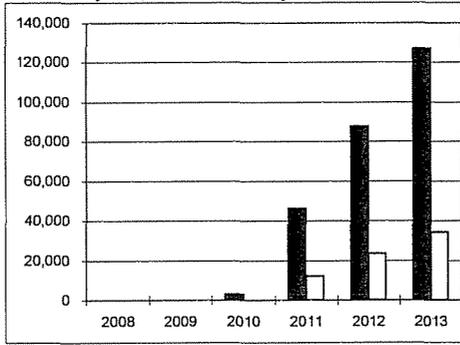
At 30 years, favor PLAN 1 by 62.9%



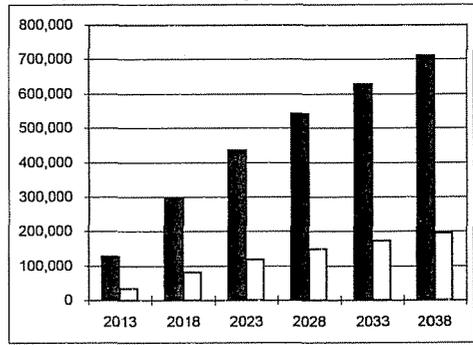
TOTAL CAPITALIZED COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	0	0
2009	0	0
2010	2,880	0
2011	46,150	11,920
2012	87,450	23,300
2013	126,860	34,150
2018	298,500	81,400
2023	434,300	118,800
2028	541,800	148,400
2033	626,900	171,800
2038	709,700	194,600

For first 6 years, favor PLAN 2 by 73.1%



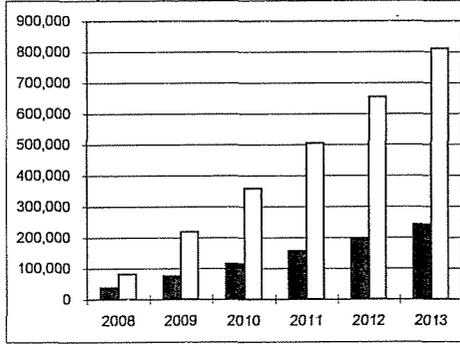
At 30 years, favor PLAN 2 by 72.6%



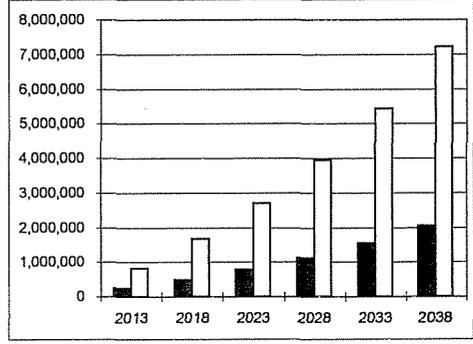
TOTAL COST OF LOSSES (\$)

YEAR	PLAN 1	PLAN 2
2008	36,930	81,850
2009	75,100	217,950
2010	114,580	358,680
2011	155,400	504,220
2012	197,630	654,770
2013	241,326	810,536
2018	483,900	1,675,300
2023	773,200	2,706,500
2028	1,119,700	3,941,700
2033	1,536,500	5,427,600
2038	2,039,900	7,222,100

For first 6 years, favor PLAN 1 by 70.2%



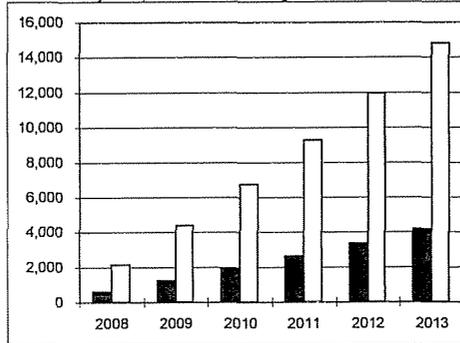
At 30 years, favor PLAN 1 by 71.8%



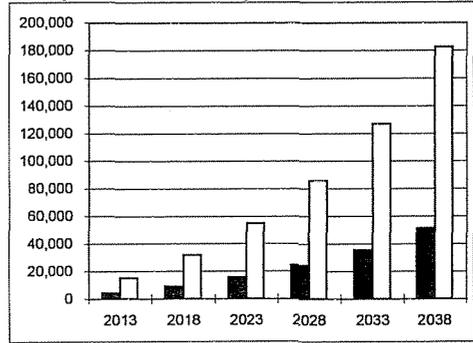
TOTAL ACCUMULATED LOSSES (MWh)

YEAR	PLAN 1	PLAN 2
2008	590	2,120
2009	1,220	4,360
2010	1,890	6,740
2011	2,600	9,270
2012	3,350	11,950
2013	4,150	14,790
2018	8,930	31,830
2023	15,350	54,730
2028	23,980	85,500
2033	35,580	126,860
2038	51,170	182,440

For first 6 years, favor PLAN 1 by 71.9%



At 30 years, favor PLAN 1 by 72.0%



3.25% Given annual inflation rate
4.79% Given annual present worth rate

 **PLAN 1** PLAN 1 BALLTOWN FDR 04 & 02 WITH LINE CONVERSION
 **PLAN 2** PLAN 2 BALLTOWN FDR 04 & 02 WITH REGULATORS

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 2 BALLTOWN FDR 04 & 02 WITH REGULATORS
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/15/07

2008	PRESENT YEAR (First year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/kW/MONTH)
0.039	ENERGY COST (\$/KWH)
795.00	CIRCUIT or AREA PEAK MONTHLY AVERAGE DEMAND LOSSES (KW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
 YEAR DECREASE EXPECTED
 AMOUNT (kw) (Present Year)

PLAN 1 SUMMARY (Accumulated Totals, Rounded Off)

YEAR	MMWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	TOTALS
2013	14,790	34,200	0	810,500
2018	31,830	81,400	0	1,675,300
2023	54,730	118,800	0	2,706,500
2028	85,500	148,400	0	3,941,700
2033	126,860	171,800	0	5,427,600
2038	182,440	194,600	0	7,222,100
TOTAL COST OF NEW CONSTRUCTION		\$74,000	0	-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE:		0	0	-2008 DOLLARS

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$) CONSTRUCTION/MAINTENANCE	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)	
			PEAK KW Annual KWH	Annual KWH Accum. KWH	ANNUAL for Year (Top):	ACCUMULATED through Year (Bottom)
2008			0.0	2,116,126	0	81,852
2009			818.9	2,244,998	0	136,099
2010			843.4	4,361,123	0	217,951
2011	3 PHASE 150 AMP REGULATOR 3 PHASE 300 AMP REGULATOR	27,700 46,300	868.7	2,381,718	0	140,727
2012			894.8	6,742,841	0	358,678
2013			921.6	2,526,765	0	145,542

YEAR	DESCRIPTION OF NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)		
				PEAK KW/ANNUAL KWH	FIXED CHARGES MAINTENANCE	LOSSES	ROW TOTALS	
2014			949.3	3,017,089	10,359	0	161,190	171,549
				17,811,235	44,510	0	971,725	1,016,235
2015			977.7	3,200,830	9,886	0	166,836	176,722
				21,012,064	54,396	0	1,138,562	1,192,957
2016			1007.1	3,395,760	9,434	0	172,714	182,148
				24,407,825	63,830	0	1,311,276	1,375,105
2017			1037.3	3,602,562	9,003	0	178,834	187,836
				28,010,387	72,832	0	1,490,110	1,562,942
2018			1068.4	3,821,958	8,591	0	185,205	193,796
				31,832,345	81,423	0	1,675,315	1,756,738

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)	
	PEAK KW/ANNUAL KWH	FIXED CHARGES MAINTENANCE	LOSSES	ROW TOTALS
2019	1100.5	4,054,715	8,198	191,839
2020	1133.5	4,301,647	7,824	198,748
2021	1167.5	4,563,618	7,466	205,943
2022	1202.5	4,841,542	7,125	213,438
2023	1238.6	5,136,392	6,799	221,244
2024	1275.7	5,449,198	6,488	229,377
2025	1314.0	5,781,054	6,192	237,850
2026	1353.4	6,133,121	5,909	246,678
2027	1394.0	6,506,628	5,639	255,878
2028	1435.9	6,902,881	5,381	265,465
2029	1478.9	7,323,267	5,135	275,456
2030	1523.3	7,769,254	4,900	285,870
2031	1569.0	8,242,401	4,676	296,725
2032	1616.1	8,744,364	4,462	308,040
2033	1664.6	9,276,895	4,258	319,837
2034	1714.5	9,841,858	4,064	332,136
2035	1765.9	10,441,227	3,878	344,959
2036	1818.9	11,077,098	3,701	358,331
2037	1873.5	11,751,694	3,532	372,275
2038	1929.7	12,467,372	3,370	386,817

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 1 BALLTOWN FDR 04 & 02 WITH LINE CONVERSIC
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/15/07

2008	PRESENT YEAR (First year of plan)	
3.25	ANNUAL INFLATION RATE (%)	
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)	
0.10	TAX RATE (%)	
6.81	DEPRECIATION RATE (%)	
5.14	OPERATIONS & MAINTENANCE RATE (%)	
16.84%	FIXED CHARGE RATE (Sum of Above)	

5.22	DEMAND COST (\$/kW/MONTH)
0.039	ENERGY COST (\$/KWH)
223.0	CIRCUIT or AREA MONTHLY AVERAGE PEAK DEMAND LOSSES (kW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

	DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
	YEAR DECREASE EXPECTED
	AMOUNT (kW) (Present Year)

PLAN 1 SUMMARY (Accumulated Totals, Rounded Off)

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	TOTALS
2013	4,150	126,900	0	241,300
2018	8,930	298,500	0	483,900
2023	15,350	434,300	0	773,200
2028	23,980	541,800	0	1,119,700
2033	35,580	626,900	0	1,536,500
2038	51,170	709,700	0	2,039,900
TOTAL COST OF NEW CONSTRUCTION		\$269,200	0	-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE		0	0	-2008 DOLLARS

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE (avg./mo.)	ANNUAL KWH	ACCUMULATED THROUGH YEAR (Bottom)	YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)
2008				223.0	593,580	36,928
2009				229.7	629,729	38,176
2010	1 PHASE 150 AMP REGULATOR 1 PHASE 150 AMP REGULATOR	8,800	8,800	236.6	668,079	42,352
2011	1.7 MILE DC 2ACWC TO 397 SPACER C	251,600	251,600	243.7	708,765	84,100
2012				251.0	751,929	83,527
2013				258.5	797,722	83,101

YEAR	DESCRIPTION OF NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CALCULATED LOSSES PEAK KW/ANNUAL KWH	YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)			
				FIXED CHARGES MAINTENANCE LOSSES ROW TOTALS			
2014		266.3	846,303	37,607	0	45,214	82,822
			4,996,107	164,465	0	266,541	451,005
2015		274.3	897,843	35,888	0	46,798	82,687
			5,893,950	200,353	0	333,339	533,692
2016		282.5	952,521	34,248	0	48,447	82,695
			6,846,472	234,601	0	381,786	616,387
2017		291.0	1,010,530	32,682	0	50,163	82,846
			7,857,002	267,283	0	431,949	699,233
2018		299.7	1,072,071	31,188	0	51,951	83,139
			8,929,073	298,472	0	483,900	782,372

YEAR	CALCULATED LOSSES PEAK KW/ANNUAL KWH	ANNUAL PRESENT WORTH OF INFLATED COST (\$)	LOSSES ROW TOTALS			
		FIXED CHARGES MAINTENANCE				
2019	308.7	1,137,360	29,763	0	53,812	83,574
2020	317.9	1,206,626	28,402	0	55,749	84,152
2021	327.5	1,280,109	27,104	0	57,768	84,872
2022	337.3	1,358,068	25,865	0	59,870	85,735
2023	347.4	1,440,774	24,683	0	62,060	86,743
2024	357.8	1,528,517	23,555	0	64,341	87,896
2025	368.6	1,621,604	22,478	0	66,718	89,196
2026	379.6	1,720,360	21,450	0	69,194	90,644
2027	391.0	1,825,130	20,470	0	71,774	92,244
2028	402.8	1,936,280	19,534	0	74,464	93,998
2029	414.8	2,054,199	18,641	0	77,266	95,908
2030	427.3	2,179,300	17,789	0	80,187	97,977
2031	440.1	2,312,020	16,976	0	83,232	100,208
2032	453.3	2,452,821	16,200	0	86,406	102,606
2033	466.9	2,602,198	15,460	0	89,715	105,175
2034	480.9	2,760,672	14,753	0	93,165	107,918
2035	495.3	2,928,797	14,079	0	96,762	110,841
2036	510.2	3,107,161	13,435	0	100,513	113,948
2037	525.5	3,296,387	12,821	0	104,424	117,245
2038	541.3	3,497,137	12,235	0	108,503	120,738

YEAR: 2009

PROJECT NAME: Bardstown Shopping Center Substation to Botland

CFR CODE: 302

ESTIMATED COST: \$200,880

*** Carryover Item 303 2005-2008 CWP

DESCRIPTION OF PROPOSED CONSTRUCTION:

This project will consist of a 2.48 mile conversion of three phase 2acwc to three phase 336.4 ACSR from Bardstown to Botland along US 150 in central Nelson County.

REASON FOR PROPOSED CONSTRUCTION:

This job will correct voltage problems on circuit 02 and provide better reliability to a faster than normal growing area.

RESULTS OF PROPOSED CONSTRUCTION:

This project will provide for Design Criteria #1 to be met.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

The alternative would be to install one set of regulators on this feeder. Due to the growth in this area and the backfeeding capabilities for important loads on this circuit along with the load being forecast for this three year period it was determined that this alternative would be a temporary solution at best.

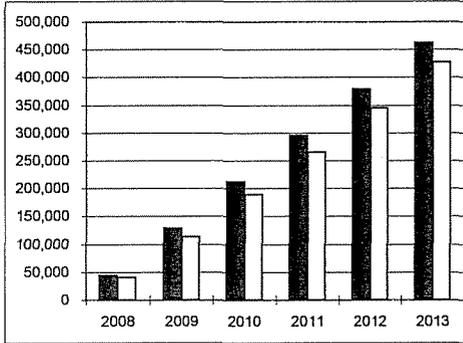
COMPARISON OF TOTAL ACCUMULATED COST and KWH LOSSES OF PLAN 1 vs PLAN 2

(All costs are the the accumulated present worth of the inflated cost)

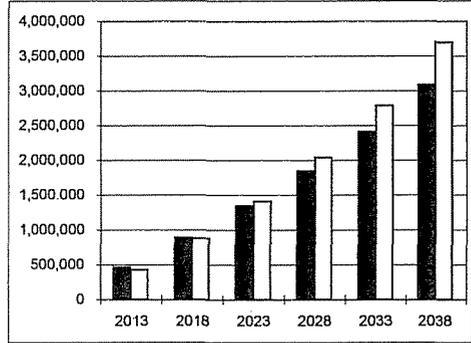
TOTAL COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	44,200	41,000
2009	127,900	113,700
2010	211,300	188,500
2011	294,700	265,600
2012	378,200	345,000
2013	462,000	426,800
2018	889,400	876,300
2023	1,344,100	1,405,700
2028	1,844,800	2,034,500
2033	2,411,700	2,786,600
2038	3,080,500	3,693,000

For first 6 years, favor: **PLAN 2** by 7.6%



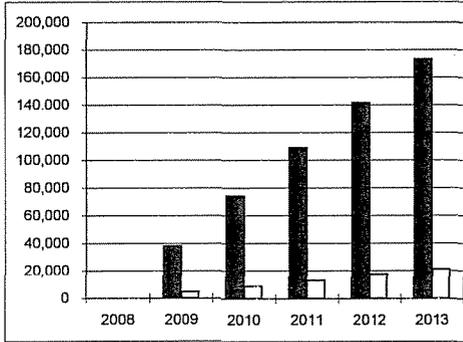
At 30 years, favor **PLAN 1** by 16.6%



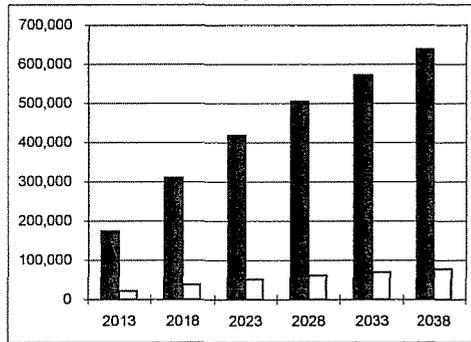
TOTAL CAPITALIZED COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	0	0
2009	37,930	4,600
2010	74,120	8,980
2011	108,660	13,170
2012	141,620	17,160
2013	173,070	20,970
2018	310,000	37,600
2023	418,400	50,700
2028	504,200	61,100
2033	572,100	69,300
2038	638,200	77,300

For first 6 years, favor: **PLAN 2** by 87.9%



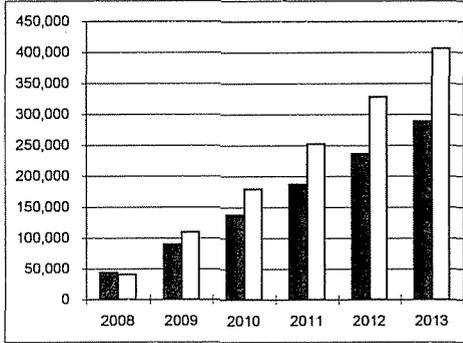
At 30 years, favor **PLAN 2** by 87.9%



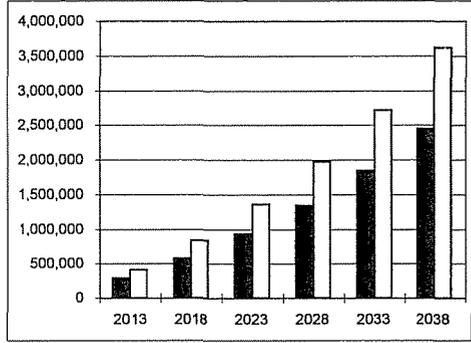
TOTAL COST OF LOSSES (\$)

YEAR	PLAN 1	PLAN 2
2008	44,210	40,980
2009	89,920	109,110
2010	137,190	179,560
2011	186,070	252,430
2012	236,630	327,800
2013	288,942	405,778
2018	579,400	838,700
2023	925,700	1,355,000
2028	1,340,600	1,973,400
2033	1,839,600	2,717,300
2038	2,442,300	3,615,700

For first 6 years, favor: **PLAN 1** by 28.8%



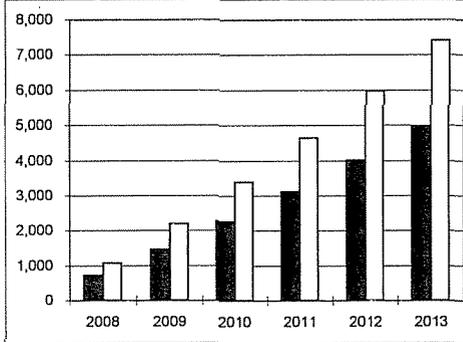
At 30 years, favor **PLAN 1** by 32.5%



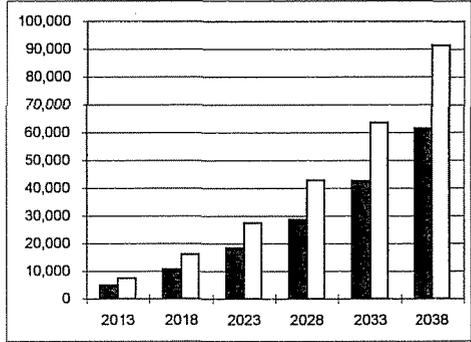
TOTAL ACCUMULATED LOSSES (MWH)

YEAR	PLAN 1	PLAN 2
2008	710	1,060
2009	1,460	2,180
2010	2,260	3,380
2011	3,110	4,640
2012	4,010	5,980
2013	4,970	7,410
2018	10,690	15,940
2023	18,380	27,400
2028	28,720	42,810
2033	42,610	63,510
2038	61,280	91,330

For first 6 years, favor: **PLAN 1** by 32.9%



At 30 years, favor **PLAN 1** by 32.9%



3.25% Given annual inflation rate
4.79% Given annual present worth rate

PLAN 1 PLAN 1 BARDSTOWN SHOPPING CTR WITH LINE CONVERSION
 PLAN 2 PLAN 2 BARDSTOWN SHOPPING CTR FDR 02 WITH REGULATORS

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 2 BARDSTOWN SHOPPING CTR FDR 02 WITH RE
 COMPANY: SALT RIVER ELECTRIC
 ENGINEER: GARY PILE
 DATE: 11/13/07

2008	PRESENT YEAR (First Year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/KWH/MONTH)
0.039	ENERGY COST (\$/KWH)
398.00	CIRCUIT or AREA PEAK MONTHLY AVERAGE DEMAND LOSSES (KW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
 YEAR DECREASE EXPECTED
 AMOUNT (KW) (Present Year)

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE
2008			
2009	3 PHASE 150 AMP REGULATOR	27,700	
2010			
2011			
2012			
2013			

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)			
		FIXED CHARGES	MAINTENANCE	LOSSES	TOTALS
2013	7,410	21,000	0	405,800	426,800
2018	15,940	37,600	0	838,700	876,300
2023	27,400	50,700	0	1,355,000	1,405,700
2028	42,810	61,100	0	1,973,400	2,034,500
2033	63,510	69,300	0	2,717,300	2,786,600
2038	91,330	77,300	0	3,615,700	3,693,000
TOTAL COST OF NEW CONSTRUCTION		\$27,700	0	-2008 DOLLARS	
TOTAL COST OF ADDED MAINTENANCE		0	0	-2008 DOLLARS	

YEAR	CALCULATED LOSSES PEAK KW	Annual KWH	Accum. KWH (avg./mo.)	YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)			
				ANNUAL for Year (Top)	ACCUMULATED through Year (Bottom)	FIXED CHARGES MAINTENANCE	LOSSES ROW TOTALS
2008	0.0	1,059,394	1,059,394	0	40,977	40,977	40,977
2009	409.9	1,123,911	2,183,304	4,596	68,135	109,113	72,731
2010	422.2	1,192,357	3,375,661	4,386	8,982	0	179,565
2011	434.9	1,264,971	4,640,633	4,186	13,168	0	252,427
2012	448.0	1,342,008	5,982,641	3,994	17,162	0	327,797
2013	461.4	1,423,736	7,406,377	3,812	20,974	0	405,778

YEAR	DESCRIPTION OF NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CALCULATED LOSSES PEAK KW/ANNUAL KWH	YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)
2014		475.2	1,510,442	3,637
			8,916,819	24,611
				0
2015		489.5	1,602,428	3,471
			10,519,247	28,082
				0
2016		504.2	1,700,016	3,312
			12,219,263	31,395
				0
2017		519.3	1,803,547	3,161
			14,022,810	34,556
				0
2018		534.9	1,913,383	3,017
			15,936,193	37,572
				0
				838,711
				95,736
				876,283

YEAR	CALCULATED LOSSES PEAK KW/ANNUAL KWH	ANNUAL PRESENT WORTH OF INFLATED COST (\$)	LOSSES	ROW TOTALS
2019	550.9	2,029,908	2,879	96,040
2020	567.5	2,153,529	2,747	99,499
2021	584.5	2,284,679	2,622	103,101
2022	602.0	2,423,816	2,502	106,853
2023	620.1	2,571,426	2,387	110,761
2024	638.7	2,728,026	2,278	114,833
2025	657.8	2,894,163	2,174	119,075
2026	677.6	3,070,418	2,075	123,494
2027	697.9	3,257,406	1,980	128,100
2028	718.8	3,455,782	1,889	132,899
2029	740.4	3,666,239	1,803	137,901
2030	762.6	3,889,513	1,721	143,115
2031	785.5	4,126,385	1,642	148,549
2032	809.1	4,377,681	1,567	154,214
2033	833.3	4,644,282	1,495	160,120
2034	858.3	4,927,119	1,427	166,277
2035	884.1	5,227,181	1,362	172,697
2036	910.6	5,545,516	1,299	179,391
2037	937.9	5,883,238	1,240	186,372
2038	966.1	6,241,527	1,183	193,652
				194,835

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 1 BARDSTOWN SHOPPING CTR WITH LINE CONV
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/13/07

2008	PRESENT YEAR (First year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/KW/MONTH)
0.039	ENERGY COST (\$/KWH)
267.0	CIRCUIT or AREA MONTHLY AVERAGE PEAK DEMAND LOSSES (KW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
 YEAR DECREASE EXPECTED
 AMOUNT (KW) (Present Year)

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE
2008			
2009	1 PHASE 150 AMP REGULATOR 3 PHASE 2ACWC TO 336.4 ASCR	27,700 200,880	
2010			
2011			
2012			
2013			

PLAN 1 SUMMARY (Accumulated Totals, Rounded Off)

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)		TOTALS
		FIXED CHARGES	MAINTENANCE	
2013	4,970	173,100	0	462,000
2018	10,690	310,000	0	889,400
2023	18,380	418,400	0	1,344,100
2028	28,720	504,200	0	1,844,800
2033	42,610	572,100	0	2,411,700
2038	61,280	638,200	0	3,080,500
TOTAL COST OF NEW CONSTRUCTION		\$228,580	0	-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE		0	0	-2008 DOLLARS

YEAR	CALCULATED LOSSES PEAK KW (avg./mo.)	Annual KWH Accum. KWH	YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)			
			ANNUAL for Year (Top)	ACCUMULATED through Year (Bottom)	FIXED CHARGES MAINTENANCE	LOSSES ROW TOTALS
2008	267.0	710,699	0	44,215	0	44,215
2009	275.0	753,980	37,927	45,709	0	83,636
		1,464,679	37,927	89,924	0	127,851
2010	283.3	799,898	36,194	47,263	0	83,457
		2,264,577	74,121	137,187	0	211,307
2011	291.8	848,611	34,539	48,880	0	83,419
		3,113,188	108,660	186,067	0	294,726
2012	300.5	900,292	32,960	50,563	0	83,523
		4,013,480	141,620	236,629	0	378,249
2013	309.5	955,120	31,454	52,313	0	83,767
		4,968,600	173,074	288,942	0	462,016

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)			
			PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE	LOSSES	ROW TOTALS		
2014			318.8	1,013,286	30,016	0	54,135	84,151
				5,981,886	203,090	0	343,078	546,167
2015			328.4	1,074,996	28,644	0	56,032	84,676
				7,056,882	231,733	0	399,110	630,843
2016			338.2	1,140,463	27,335	0	58,006	85,341
				8,197,345	259,068	0	457,116	716,184
2017			348.4	1,209,917	26,085	0	60,061	86,146
				9,407,262	285,153	0	517,177	802,330
2018			358.8	1,283,601	24,893	0	62,201	87,094
				10,690,863	310,046	0	579,378	889,424

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)	
	PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE	LOSSES	ROW TOTALS
2019	369.6	1,361,772	23,755	64,429
2020	380.7	1,444,704	22,669	66,749
2021	392.1	1,532,687	21,633	69,166
2022	403.9	1,626,027	20,644	71,683
2023	416.0	1,725,052	19,700	74,305
2024	428.5	1,830,108	18,800	77,036
2025	441.3	1,941,562	17,940	79,882
2026	454.5	2,059,803	17,120	82,847
2027	468.2	2,185,245	16,338	85,936
2028	482.2	2,318,326	15,591	89,156
2029	496.7	2,459,512	14,878	92,512
2030	511.6	2,609,297	14,198	96,009
2031	526.9	2,768,203	13,549	99,655
2032	542.8	2,936,786	12,930	103,455
2033	559.0	3,115,637	12,339	107,417
2034	575.8	3,305,379	11,775	111,547
2035	593.1	3,506,676	11,237	115,854
2036	610.9	3,720,233	10,723	120,345
2037	629.2	3,946,795	10,233	125,028
2038	648.1	4,187,155	9,765	129,912

YEAR: 2009

PROJECT NAME: **Pottershop Road**

CFR CODE: **303**

ESTIMATED COST: \$228,490

DESCRIPTION OF PROPOSED CONSTRUCTION:

A 1.4 mile conversion of single phase 6ACWC to three phase 1/0 ACSR along Pottershop Road in central Nelson County.

REASON FOR PROPOSED CONSTRUCTION:

Design criteria not met include 1, 2 and 5. This line has 162 existing customers and new subdivisions are in the works for this area which is approximately 0.5 mile from the city limits of the city of Bardstown.

RESULTS OF PROPOSED CONSTRUCTION:

All design criteria will be met with this project.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

No alternatives were investigated because of the ampacity levels.

YEAR: 2010

PROJECT NAME: **Chaplin Road conversion**

CFR CODE: **304**

ESTIMATED COST: \$178,200

*** Carryover Item 304 2005-2008 CWP

DESCRIPTION OF PROPOSED CONSTRUCTION:

This project involves the conversion of 2.2 miles of 1/0 cu to 336.4 acsr along Sheilds Bend road in northeastern Nelson County. This project is on Bloomfield Substation fdr 04.

REASON FOR PROPOSED CONSTRUCTION:

This project will correct voltage problems on circuit 04.

RESULTS OF PROPOSED CONSTRUCTION:

The construction of these projects all design criteria will be met.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

Alternative 2 included the use of regulators to improve voltage levels on this circuit. There are existing regulator banks on this circuit and the addition of two sets on the same circuit is not an ideal situation. Plan 1 utilizing conversion work proved to be the best alternative.

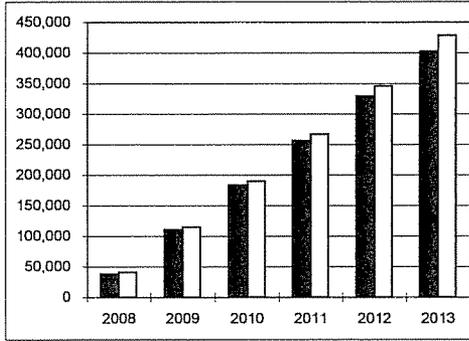
COMPARISON OF TOTAL ACCUMULATED COST and KWH LOSSES OF PLAN 1 vs PLAN 2

(All costs are the the accumulated present worth of the inflated cost)

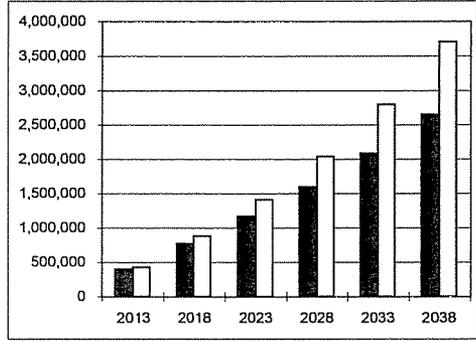
TOTAL COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	37,600	41,000
2009	110,600	114,100
2010	183,400	189,300
2011	256,100	266,600
2012	328,700	346,300
2013	401,600	428,400
2018	771,900	879,300
2023	1,163,900	1,409,800
2028	1,593,900	2,039,400
2033	2,079,400	2,792,200
2038	2,651,300	3,699,200

For first 6 years, favor: **PLAN 1 by 6.3%**



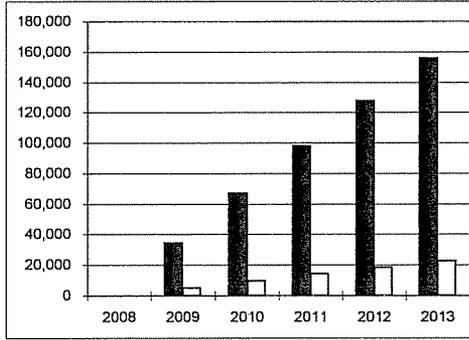
At 30 years, favor **PLAN 1 by 28.3%**



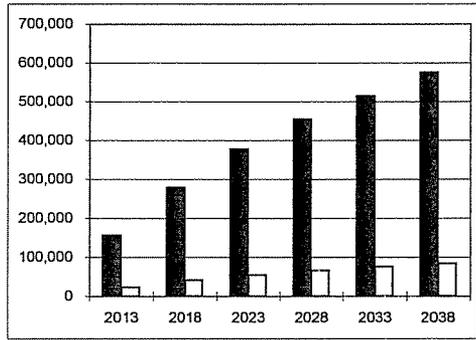
TOTAL CAPITALIZED COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	0	0
2009	34,160	4,960
2010	66,770	9,700
2011	97,880	14,210
2012	127,570	18,520
2013	155,900	22,640
2018	279,300	40,600
2023	376,900	54,800
2028	454,200	66,000
2033	515,400	74,900
2038	574,900	83,500

For first 6 years, favor: **PLAN 2 by 85.5%**



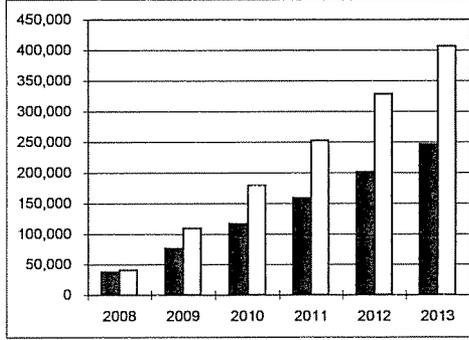
At 30 years, favor **PLAN 2 by 85.5%**



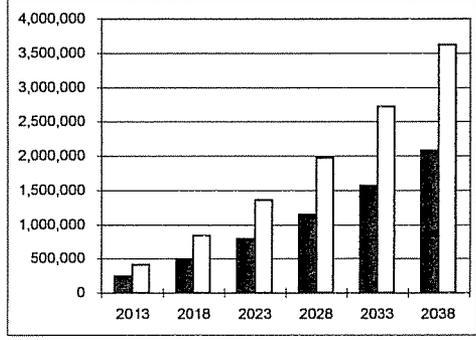
TOTAL COST OF LOSSES (\$)

YEAR	PLAN 1	PLAN 2
2008	37,590	40,980
2009	76,450	109,110
2010	116,630	179,560
2011	158,190	252,430
2012	201,180	327,800
2013	245,655	405,778
2018	492,600	838,700
2023	787,000	1,355,000
2028	1,139,700	1,973,400
2033	1,564,000	2,717,300
2038	2,076,400	3,615,700

For first 6 years, favor: **PLAN 1 by 39.5%**



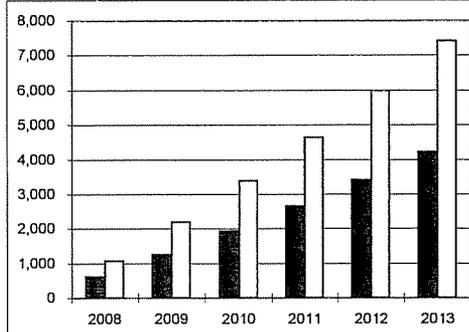
At 30 years, favor **PLAN 1 by 42.6%**



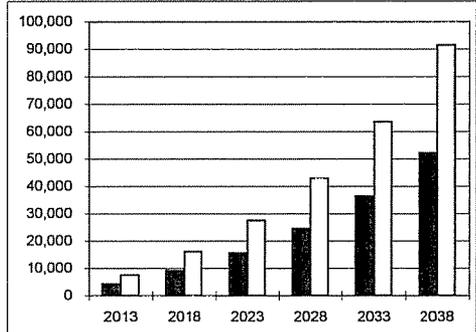
TOTAL ACCUMULATED LOSSES (MWH)

YEAR	PLAN 1	PLAN 2
2008	600	1,060
2009	1,250	2,180
2010	1,930	3,380
2011	2,650	4,640
2012	3,410	5,980
2013	4,220	7,410
2018	9,090	15,940
2023	15,630	27,400
2028	24,420	42,810
2033	36,230	63,510
2038	52,100	91,330

For first 6 years, favor: **PLAN 1 by 43.0%**



At 30 years, favor **PLAN 1 by 43.0%**



3.25% Given annual inflation rate
4.79% Given annual present worth rate

PLAN 1 PLAN 1 BLOOMFIELD FDR 04 WITH LINE CONVERSION
 PLAN 2 PLAN 2 BLOOMFIELD FDR 04 WITH REGULATORS

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 1 BLOOMFIELD FDR 04 WITH LINE CONVERSION
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/13/07

2008	PRESENT YEAR (First year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/kW/MONTH)
0.039	ENERGY COST (\$/kWh)
227.0	CIRCUIT or AREA MONTHLY AVERAGE PEAK DEMAND LOSSES (kW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
 YEAR DECREASE EXPECTED
 AMOUNT (kW) (Present Year)

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	TOTALS
2013	4,220	155,900	0	245,700
2018	9,090	279,300	0	492,600
2023	15,630	376,900	0	787,000
2028	24,420	454,200	0	1,139,700
2033	36,230	515,400	0	1,564,000
2038	52,100	574,900	0	2,076,400
TOTAL COST OF NEW CONSTRUCTION		\$205,900	0	-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE		0	0	-2008 DOLLARS

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE (avg./mo.)	CALCULATED LOSSES				
				PEAK kW	ANNUAL KWH	FIXED CHARGES	MAINTENANCE	LOSSES ROW TOTALS
2008			227.0	604,227	0	0	37,591	37,591
2009	1 PHASE 150 AMP REGULATOR 3 PHASE 1/0 CU TO 336.4 ASCR	27,700 178,200	233.8	641,024 1,245,251	34,164 34,164	0 0	38,861 76,452	73,025 110,616
2010			240.8	680,063 1,925,314	32,602 66,766	0 0	40,182 116,634	72,785 183,401
2011			248.0	721,479 2,646,793	31,112 97,878	0 0	41,557 158,192	72,669 256,070
2012			255.5	765,417 3,412,210	29,690 127,568	0 0	42,988 201,179	72,678 328,747
2013			263.2	812,031 4,224,240	28,333 155,901	0 0	44,476 245,655	72,809 401,556

YEAR	DESCRIPTION of ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)			
			PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE	LOSSES	ROW TOTALS		
2014			271.0	861,483	27,038	0	46,025	73,063
				5,085,724	182,939	0	291,680	474,619
2015			279.2	913,948	25,802	0	47,638	73,439
				5,999,671	208,741	0	339,318	548,059
2016			287.6	969,607	24,622	0	49,316	73,938
				6,969,278	233,363	0	388,634	621,997
2017			296.2	1,028,656	23,497	0	51,063	74,560
				7,997,934	256,860	0	439,697	696,557
2018			305.1	1,091,301	22,423	0	52,882	75,306
				9,089,236	279,283	0	492,580	771,862

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)	
	PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE	LOSSES	ROW TOTALS
2019	314.2	1,157,761	21,398	54,777
2020	323.6	1,228,269	20,420	56,749
2021	333.4	1,303,071	19,486	58,804
2022	343.4	1,382,428	18,596	60,944
2023	353.7	1,466,618	17,746	63,173
2024	364.3	1,555,935	16,934	65,495
2025	375.2	1,650,691	16,160	67,914
2026	386.5	1,751,218	15,422	70,435
2027	398.0	1,857,867	14,717	73,062
2028	410.0	1,971,011	14,044	75,799
2029	422.3	2,091,046	13,402	78,652
2030	435.0	2,218,391	12,789	81,626
2031	448.0	2,353,491	12,205	84,725
2032	461.4	2,496,818	11,647	87,956
2033	475.3	2,648,875	11,115	91,324
2034	489.5	2,810,191	10,607	94,836
2035	504.2	2,981,332	10,122	98,498
2036	519.4	3,162,895	9,659	102,316
2037	534.9	3,356,515	9,217	106,297
2038	551.0	3,569,866	8,796	110,450

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 2 BLOOMFIELD_FDR 04 WITH REGULATORS
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 1/11/3/07

2008	PRESENT YEAR (First year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/kW/MONTH)
0.039	ENERGY COST (\$/KWH)
398.00	CIRCUIT or AREA PEAK MONTHLY AVERAGE DEMAND LOSSES (KW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
 YEAR DECREASE EXPECTED
 AMOUNT (KW) (Present Year)

YEAR	MWH	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	LOSSES
2013	7,410	22,600	0	405,800
2018	15,940	40,600	0	838,700
2023	27,400	54,800	0	1,355,000
2028	42,810	66,000	0	1,973,400
2033	63,510	74,900	0	2,717,300
2038	91,330	83,500	0	3,615,700
TOTAL COST OF NEW CONSTRUCTION		\$29,900	0	-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE		0	0	-2008 DOLLARS

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)						
				PEAK kW (avg./mo.)	Annual kWh Accum. kWh	ANNUAL for Year (Top)	ACCUMULATED through Year (Bottom)	FIXED CHARGES	MAINTENANCE	LOSSES	ROW TOTALS	
2008				0.0	1,059,394	0	40,977	0	40,977	40,977		
2009	3 PHASE 150 AMP REGULATOR MOVE REGULATOR BANK	27,700	2,200	409.9	1,123,911	4,961	68,135	0	109,113	114,074	73,096	
2010				422.2	1,192,357	4,734	70,452	0	179,565	189,260	75,186	
2011				434.9	1,264,971	4,518	72,862	0	252,427	266,641	77,380	
2012				448.0	1,342,008	4,311	75,370	0	327,797	346,322	79,682	
2013				461.4	1,423,736	4,114	77,980	0	405,778	428,417	82,094	

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)		CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)			
		CONSTRUCTION	MAINTENANCE	PEAK KW	ANNUAL KWH	FIXED CHARGES	MAINTENANCE	LOSSES	ROW TOTALS
2014				475.2	1,510,442	3,926	0	80,666	84,622
					8,916,819	26,566	0	486,474	513,039
2015				489.5	1,602,428	3,747	0	83,523	87,270
					10,519,247	30,312	0	569,997	600,309
2016				504.2	1,700,016	3,576	0	86,466	90,041
					12,219,263	33,888	0	656,463	690,351
2017				519.3	1,803,547	3,412	0	89,529	92,942
					14,022,810	37,300	0	745,992	783,292
2018				534.9	1,913,383	3,256	0	92,719	95,975
					15,936,193	40,556	0	838,711	879,267

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)			
	PEAK KW	ANNUAL KWH	FIXED CHARGES	MAINTENANCE	LOSSES	ROW TOTALS
2019	550.9	2,029,908	3,107	0	96,040	99,148
2020	567.5	2,153,529	2,965	0	99,499	102,464
2021	584.5	2,284,679	2,830	0	103,101	105,931
2022	602.0	2,423,816	2,700	0	106,863	109,553
2023	620.1	2,571,426	2,577	0	110,761	113,338
2024	638.7	2,728,026	2,459	0	114,833	117,292
2025	657.8	2,894,163	2,347	0	119,075	121,421
2026	677.6	3,070,418	2,239	0	123,494	125,734
2027	697.9	3,257,406	2,137	0	128,100	130,237
2028	718.8	3,455,782	2,039	0	132,899	134,939
2029	740.4	3,666,239	1,946	0	137,901	139,847
2030	762.6	3,889,513	1,857	0	143,115	144,972
2031	785.5	4,126,385	1,772	0	148,549	150,321
2032	809.1	4,377,681	1,691	0	154,214	155,905
2033	833.3	4,644,282	1,614	0	160,120	161,734
2034	858.3	4,927,119	1,540	0	166,277	167,817
2035	884.1	5,227,181	1,470	0	172,697	174,166
2036	910.6	5,545,516	1,403	0	179,391	180,794
2037	937.9	5,883,238	1,339	0	186,372	187,710
2038	966.1	6,241,527	1,277	0	193,652	194,929

YEAR: 2011

PROJECT NAME: Cedar Grove Substation to Clarks Lane

CFR CODE: 305

ESTIMATED COST: \$190,350

DESCRIPTION OF PROPOSED CONSTRUCTION:

This project involves the conversion of 2.35 miles of 2acwc to 336.4 acsr along Ky 480 in central Bullitt County. This conversion is on Cedar Grove fdr 03.

REASON FOR PROPOSED CONSTRUCTION

This project will correct voltage problems on this circuit. This feeder has an existing set of regulators and a 100 lot subdivision is already developed with houses being started in 2007.

RESULTS OF PROPOSED CONSTRUCTION:

With the construction of this project all design criteria items will be met.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

Alternative plan 2 to use another set of regulators did not prove to be economically feasible.

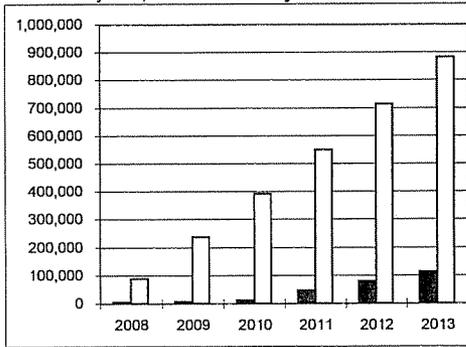
COMPARISON OF TOTAL ACCUMULATED COST and KWH LOSSES OF PLAN 1 vs PLAN 2

(All costs are the the accumulated present worth of the inflated cost)

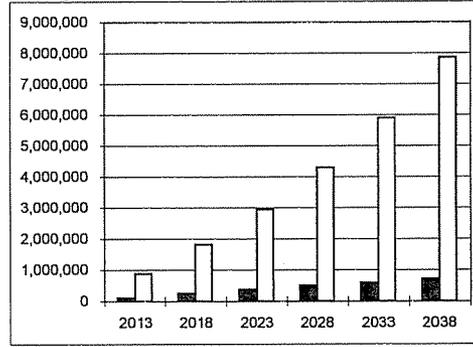
TOTAL COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	3,600	88,900
2009	7,400	237,000
2010	11,300	390,100
2011	46,000	548,400
2012	79,400	712,100
2013	111,700	881,500
2018	257,100	1,821,600
2023	381,800	2,942,000
2028	492,200	4,283,700
2033	593,600	5,897,400
2038	702,000	7,846,000

For first 6 years, favor: **PLAN 1 by 87.3%**



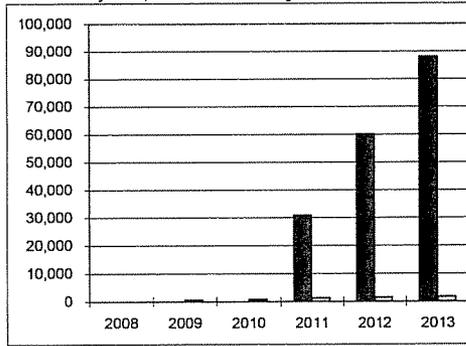
At 30 years, favor **PLAN 1 by 91.1%**



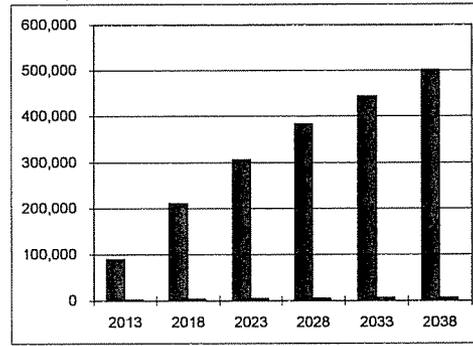
TOTAL CAPITALIZED COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	0	0
2009	0	370
2010	0	710
2011	30,660	1,050
2012	59,920	1,360
2013	87,850	1,670
2018	209,400	3,000
2023	305,600	4,000
2028	381,800	4,800
2033	442,100	5,500
2038	500,800	6,100

For first 6 years, favor: **PLAN 2 by 98.1%**



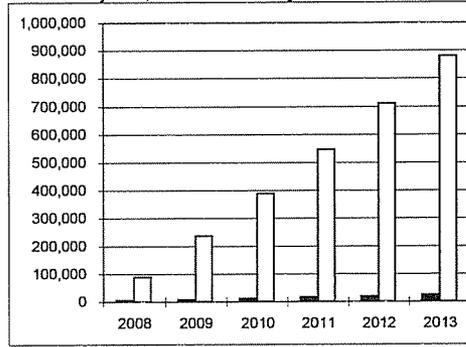
At 30 years, favor **PLAN 2 by 98.8%**



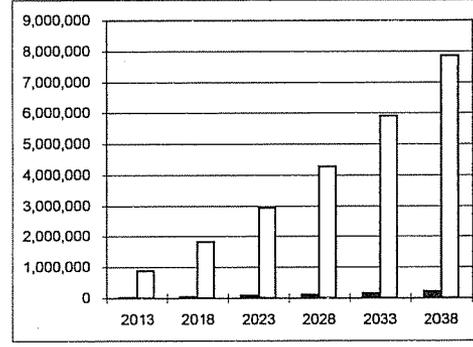
TOTAL COST OF LOSSES (\$)

YEAR	PLAN 1	PLAN 2
2008	3,640	88,850
2009	7,410	236,590
2010	11,300	389,360
2011	15,330	547,350
2012	19,500	710,780
2013	23,808	879,864
2018	47,700	1,818,600
2023	76,200	2,938,000
2028	110,400	4,278,900
2033	151,500	5,891,900
2038	201,200	7,839,900

For first 6 years, favor: **PLAN 1 by 97.3%**



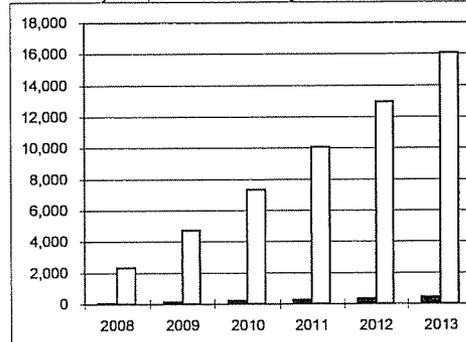
At 30 years, favor **PLAN 1 by 97.4%**



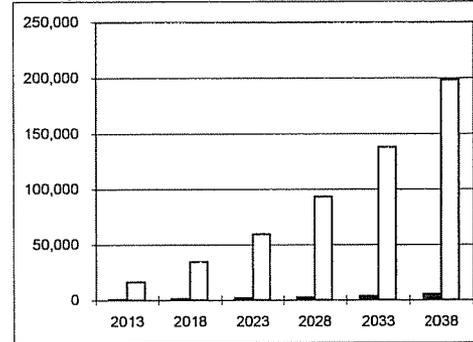
TOTAL ACCUMULATED LOSSES (MWH)

YEAR	PLAN 1	PLAN 2
2008	60	2,300
2009	120	4,730
2010	190	7,320
2011	260	10,060
2012	330	12,970
2013	410	16,060
2018	880	34,560
2023	1,510	59,420
2028	2,360	92,830
2033	3,500	137,720
2038	5,040	198,050

For first 6 years, favor: **PLAN 1 by 97.4%**



At 30 years, favor **PLAN 1 by 97.5%**



3.25% Given annual inflation rate
4.79% Given annual present worth rate

PLAN 1 PLAN 1 CEDAR GROVE FDR 03 WITH LINE CONVERSION
 PLAN 2 PLAN 2 CEDAR GROVE FDR 03 WITH REGULATORS

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 2 CEDAR GROVE FDR 03 WITH REGULATORS
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/15/07

2008	PRESENT YEAR (First year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/KW/MONTH)
0.039	ENERGY COST (\$/KWH)
863.00	CIRCUIT or AREA PEAK MONTHLY AVERAGE DEMAND LOSSES (KW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
 YEAR DECREASE EXPECTED
 AMOUNT (KW) (Present Year)

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE
2008			
2009	MOVE REGULATOR BANK	2,200	
2010			
2011			
2012			
2013			

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	TOTALS
2013	16,060	1,700	0	879,900
2018	34,560	3,000	0	1,818,600
2023	59,420	4,000	0	2,938,000
2028	92,830	4,800	0	4,278,900
2033	137,720	5,500	0	5,891,900
2038	198,050	6,100	0	7,839,900
TOTAL COST OF NEW CONSTRUCTION		\$2,200		-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE		0		-2008 DOLLARS

YEAR	CALCULATED LOSSES PEAK KW (avg./mo.)	Annual KWH Accum. KWH	YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)			
			ANNUAL for Year (Top)	ACCUMULATED through Year (Bottom)	LOSSES	ROW TOTALS
2008	0.0	2,297,127	0	0	88,853	88,853
2009	888.9	2,437,023	365	0	147,741	148,106
		4,734,150	365	0	236,593	236,958
2010	915.6	2,585,437	348	0	152,764	153,113
		7,319,587	713	0	389,358	390,071
2011	943.0	2,742,890	332	0	157,991	158,323
		10,062,477	1,046	0	547,348	548,394
2012	971.3	2,909,932	317	0	163,429	163,746
		12,972,410	1,363	0	710,777	712,140
2013	1000.5	3,087,147	303	0	169,088	169,390
		16,059,557	1,666	0	879,864	881,530

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)		
			PEAK KW/ANNUAL KWH	FIXED CHARGES MAINTENANCE	LOSSES	ROW TOTALS	
2014			1030.5	3,275,154	289	174,977	175,266
				19,334,711	1,955	1,054,841	1,056,796
2015			1061.4	3,474,611	276	181,107	181,382
				22,809,323	2,230	1,235,948	1,238,178
2016			1093.2	3,686,215	263	187,488	187,751
				26,495,538	2,493	1,423,435	1,425,929
2017			1126.0	3,910,706	251	194,130	194,381
				30,406,244	2,744	1,617,566	1,620,310
2018			1159.8	4,148,868	240	201,047	201,286
				34,555,111	2,984	1,818,612	1,821,596

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)		
	PEAK KW/ANNUAL KWH	FIXED CHARGES MAINTENANCE	LOSSES	ROW TOTALS	
2019	1194.6	4,401,534	229	208,248	208,477
2020	1230.4	4,669,587	218	215,748	215,966
2021	1267.3	4,953,965	208	223,559	223,767
2022	1305.4	5,255,661	199	231,694	231,893
2023	1344.5	5,575,731	190	240,168	240,358
2024	1384.9	5,915,293	181	248,997	249,178
2025	1426.4	6,275,535	173	258,194	258,367
2026	1469.2	6,657,715	165	267,778	267,943
2027	1513.3	7,063,170	157	277,764	277,921
2028	1558.7	7,493,317	150	288,171	288,321
2029	1605.4	7,949,660	143	299,017	299,160
2030	1653.6	8,433,794	137	310,321	310,458
2031	1703.2	8,947,412	130	322,105	322,235
2032	1754.3	9,492,309	124	334,388	334,513
2033	1806.9	10,070,391	119	347,194	347,313
2034	1861.1	10,683,678	113	360,545	360,658
2035	1917.0	11,334,314	108	374,465	374,574
2036	1974.5	12,024,573	103	388,981	389,084
2037	2033.7	12,756,870	98	404,117	404,216
2038	2094.7	13,533,763	94	419,903	419,997

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 1: CEDAR GROVE FDR 03 WITH LINE CONVERSION
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/15/07

2008	PRESENT YEAR (First year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/kW/MONTH)
0.039	ENERGY COST (\$/kWh)
22.0	CIRCUIT or AREA MONTHLY AVERAGE PEAK DEMAND LOSSES (kW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

	DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
	YEAR DECREASE EXPECTED
	AMOUNT (kW) (Present Year)

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)			TOTALS
		FIXED CHARGES	MAINTENANCE	LOSSES	
2013	410	87,800	0	23,800	111,600
2018	880	209,400	0	47,700	257,100
2023	1,510	305,600	0	76,200	381,800
2028	2,360	381,800	0	110,400	492,200
2033	3,500	442,100	0	151,500	593,600
2038	5,040	500,800	0	201,200	702,000
TOTAL COST OF NEW CONSTRUCTION		\$190,350		-2008 DOLLARS	
TOTAL COST OF ADDED MAINTENANCE		0		-2008 DOLLARS	

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$) CONSTRUCTION/MAINTENANCE	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)				
			PEAK kW (avg./mo.)	Annual kWh Accum. kWh	ANNUAL for Year (Top)	FIXED CHARGES	MAINTENANCE	LOSSES	ROW TOTALS
2008			22.0	58,559	0	0	3,643	3,643	3,643
2009			22.7	62,126	0	0	3,766	3,766	7,409
2010			23.3	65,909	0	0	3,894	3,894	11,304
2011	3 PHASE 2ACWC TO 336.4 ACSR	190,350	24.0	69,923	30,662	0	4,028	34,690	45,994
2012			24.8	74,181	29,261	0	4,166	33,427	79,421
2013			25.5	78,699	27,923	0	4,310	32,234	111,654

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)	
				PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE	LOSSES	ROW TOTALS
2014				26.3	83,492	26,647	31,107
					492,890	114,493	142,762
2015				27.1	88,576	25,429	30,046
					581,466	139,922	172,808
2016				27.9	93,971	24,266	29,046
					675,437	164,189	201,853
2017				28.7	99,694	23,157	28,106
					775,130	187,346	229,960
2018				29.6	105,765	22,099	27,224
					880,895	209,444	257,183

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)	
	PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE	LOSSES	ROW TOTALS
2019	30.5	112,206	21,089	26,397
2020	31.4	119,039	20,125	25,625
2021	32.3	126,289	19,205	24,904
2022	33.3	133,980	18,327	24,233
2023	34.3	142,139	17,489	23,612
2024	35.3	150,795	16,690	23,037
2025	36.4	159,979	15,927	22,509
2026	37.5	169,722	15,199	22,025
2027	38.6	180,058	14,504	21,585
2028	39.7	191,023	13,841	21,187
2029	40.9	202,656	13,208	20,831
2030	42.2	214,998	12,605	20,515
2031	43.4	228,092	12,028	20,240
2032	44.7	241,982	11,479	20,003
2033	46.1	256,719	10,954	19,805
2034	47.4	272,353	10,453	19,644
2035	48.9	288,940	9,975	19,521
2036	50.3	306,536	9,519	19,435
2037	51.8	325,204	9,084	19,386
2038	53.4	345,009	8,669	19,373

YEAR: 2011

PROJECT NAME: North Springfield Substation to Thompsonville

CFR CODE: 306

ESTIMATED COST: \$215,460

DESCRIPTION OF PROPOSED CONSTRUCTION:

This project involves the conversion of 2.26 miles of 2a cwc to 336.4 acsr along Kelly Shop road in central Washington County. This conversion is on North Springfield Substation fdr 01.

REASON FOR PROPOSED CONSTRUCTION

This conversion will correct voltage problems on this feeder. This is a long circuit in the rural part of Washington County and the addition of city water will increase the load on this feeder.

RESULTS OF PROPOSED CONSTRUCTION:

All Design Criteria will be met with the completion of this conversion.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

The alternative of adding regulators to this feeder was evaluated and found to not be the best solution for the future.

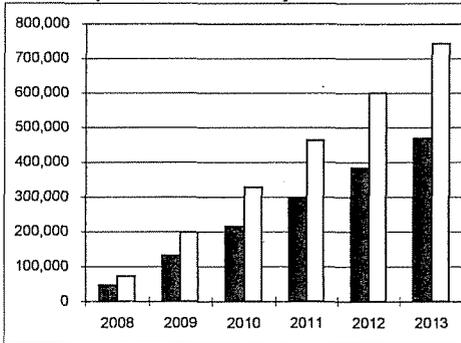
COMPARISON OF TOTAL ACCUMULATED COST and kWh LOSSES OF PLAN 1 vs PLAN 2

(All costs are the the accumulated present worth of the inflated cost)

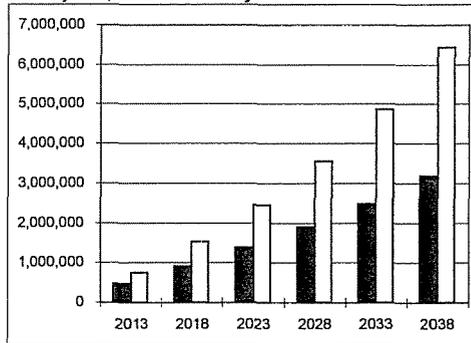
TOTAL COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	46,700	71,500
2009	130,700	197,900
2010	214,800	328,100
2011	298,900	462,200
2012	383,400	600,300
2013	468,300	742,600
2018	904,100	1,525,300
2023	1,372,100	2,447,500
2028	1,891,200	3,543,200
2033	2,482,300	4,854,100
2038	3,181,100	6,434,000

For first 6 years, favor: **PLAN 1** by 36.9%



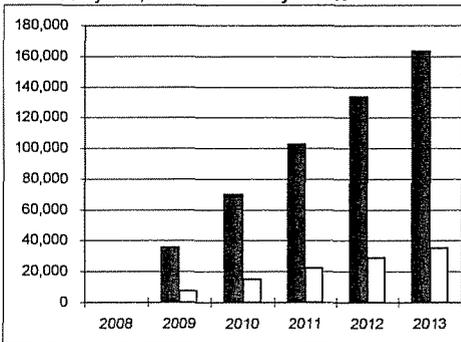
At 30 years, favor **PLAN 1** by 50.6%



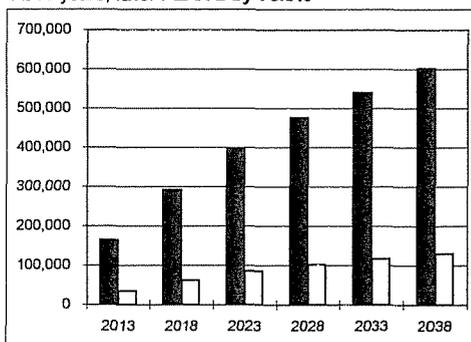
TOTAL CAPITALIZED COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	0	0
2009	35,750	7,680
2010	69,870	15,010
2011	102,420	22,010
2012	133,490	28,690
2013	163,140	35,060
2018	292,200	62,800
2023	394,400	84,800
2028	475,300	102,200
2033	539,300	116,000
2038	601,600	129,400

For first 6 years, favor: **PLAN 2** by 78.5%



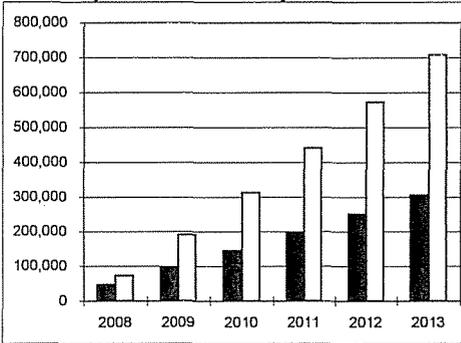
At 30 years, favor **PLAN 2** by 78.5%



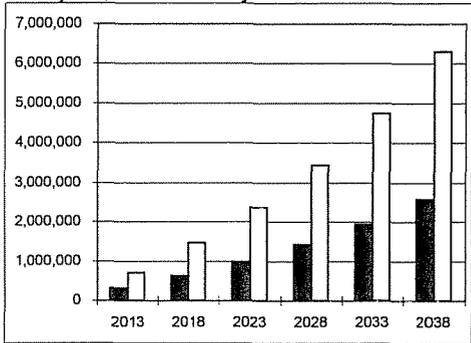
TOTAL COST OF LOSSES (\$)

YEAR	PLAN 1	PLAN 2
2008	46,700	71,450
2009	94,980	190,260
2010	144,890	313,110
2011	196,520	440,160
2012	249,920	571,590
2013	305,175	707,562
2018	611,900	1,462,500
2023	977,700	2,362,700
2028	1,415,900	3,441,000
2033	1,943,000	4,738,100
2038	2,579,500	6,304,600

For first 6 years, favor: **PLAN 1** by 56.9%



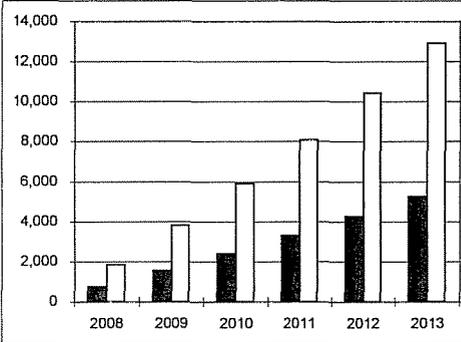
At 30 years, favor **PLAN 1** by 59.1%



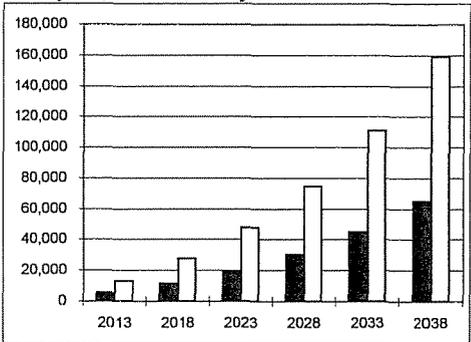
TOTAL ACCUMULATED LOSSES (MWH)

YEAR	PLAN 1	PLAN 2
2008	750	1,850
2009	1,550	3,810
2010	2,390	5,890
2011	3,290	8,090
2012	4,240	10,430
2013	5,250	12,910
2018	11,290	27,790
2023	19,410	47,780
2028	30,330	74,640
2033	45,000	110,740
2038	64,710	159,260

For first 6 years, favor: **PLAN 1** by 59.3%



At 30 years, favor **PLAN 1** by 59.4%



3.25% Given annual inflation rate
4.79% Given annual present worth rate

PLAN 1 PLAN 1 NORTH SPRINGFIELD FDR 01 WITH LINE CONVERSION
 PLAN 2 PLAN 2 NORTH SPRINGFIELD FDR 01 WITH REGULATORS

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 1 NORTH SPRINGFIELD FDR 01 WITH LINE CONVA
 COMPANY: SALT RIVER ELECTRIC
 ENGINEER: GARY PILE
 DATE: 1/11/30/07

2008	PRESENT YEAR (First year of plan)	
3.25	ANNUAL INFLATION RATE (%)	0.0000
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)	
0.10	TAX RATE (%)	
6.81	DEPRECIATION RATE (%)	
5.14	OPERATIONS & MAINTENANCE RATE (%)	
16.84%	FIXED CHARGE RATE (Sum of Above)	

5.22	DEMAND COST (\$/kW/MONTH)
0.039	ENERGY COST (\$/kWH)
282.0	CIRCUIT or AREA MONTHLY AVERAGE PEAK DEMAND LOSSES (kW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
 YEAR DECREASE EXPECTED
 AMOUNT (kW) (Present Year)

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	TOTALS
2013	5,250	163,100	0	468,300
2018	11,290	292,200	0	904,100
2023	19,410	394,400	0	1,372,100
2028	30,330	475,300	0	1,891,200
2033	45,000	539,300	0	2,482,300
2038	64,710	601,600	0	3,181,100
TOTAL COST OF NEW CONSTRUCTION		\$215,460		-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE		0		-2008 DOLLARS

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)			
			PEAK kW (avg./mo.)	Annual kWH Accum. kWH	ANNUAL for Year (Top)	ACCUMULATED through Year (Bottom)	FIXED CHARGES	MAINTENANCE
2008			282.0	750,626	0	0	46,699	46,699
2009	3 PHASE 2ACWC TO 336.4 ASCR	215,460	290.5	796,339	35,750	0	48,277	84,027
2010			299.2	844,836	35,750	0	94,975	130,726
2011			308.1	896,286	34,116	0	49,918	84,034
2012			317.4	950,870	69,866	0	144,894	214,760
2013			326.9	1,008,778	32,557	0	51,626	84,183
				5,247,735	102,423	0	196,520	298,943
					31,068	0	53,403	84,472
					4,238,957	0	249,923	383,414
					29,648	0	55,252	84,901
					163,140	0	305,175	468,315

YEAR	DESCRIPTION OF NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CALCULATED LOSSES PEAK KW/ANNUAL KWH	YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)	LOSSES ROW TOTALS
2014		336.7	1,070,213	28,293	57,177
			6,317,947	191,433	362,352
					85,470
2015		346.8	1,135,389	27,000	59,180
			7,453,336	218,432	421,532
					86,179
2016		357.2	1,204,534	25,766	61,265
			8,657,870	244,198	482,796
					87,030
2017		367.9	1,277,890	24,588	63,435
			9,935,760	266,786	546,232
					88,023
2018		379.0	1,355,713	23,464	66,695
			11,291,473	292,250	611,927
					89,159
					904,177

YEAR	CALCULATED LOSSES PEAK KW/ANNUAL KWH	ANNUAL PRESENT WORTH OF INFLATED COST (\$)	LOSSES ROW TOTALS
2019	390.4	1,438,276	22,391
2020	402.1	1,525,867	21,368
2021	414.1	1,618,793	20,391
2022	426.6	1,717,377	19,459
2023	439.3	1,821,965	18,570
2024	452.5	1,932,923	17,721
2025	466.1	2,050,638	16,911
2026	480.1	2,175,522	16,138
2027	494.5	2,308,011	15,400
2028	509.3	2,448,569	14,696
2029	524.6	2,597,687	14,024
2030	540.3	2,755,886	13,383
2031	556.6	2,923,720	12,772
2032	573.2	3,101,774	12,188
2033	590.4	3,290,672	11,631
2034	608.2	3,491,074	11,099
2035	626.4	3,703,681	10,592
2036	645.2	3,929,235	10,107
2037	664.6	4,168,525	9,645
2038	684.5	4,422,388	9,205

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 2 NORTH SPRINGFIELD FDR 01 WITH REGULATOR
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/13/07

2008	PRESENT YEAR (First year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/KW/MONTH)
0.039	ENERGY COST (\$/KWH)
684.00	CIRCUIT or AREA PEAK MONTHLY AVERAGE DEMAND LOSSES (KW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

	DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
	YEAR DECREASE EXPECTED
	AMOUNT (KW) (Present Year)

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE
2008			
2009	3 PHASE 300 AMP REGULATOR	46,300	
2010			
2011			
2012			
2013			

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	LOSSES
2013	12,910	35,100	0	707,600
2018	27,790	62,800	0	1,462,500
2023	47,780	84,800	0	2,362,700
2028	74,640	102,200	0	3,441,000
2033	110,740	116,000	0	4,738,100
2038	159,260	129,400	0	6,304,600
TOTAL COST OF NEW CONSTRUCTION		\$46,300		-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE		0		-2008 DOLLARS

YEAR	PEAK KW	ANNUAL KWH	ACCUMULATED THROUGH YEAR (Bottom)
2008	0.0	1,847,284	1,847,284
2009	714.8	1,959,784	3,807,068
2010	736.3	2,079,135	5,886,203
2011	758.4	2,205,754	8,091,958
2012	781.1	2,340,085	10,432,042
2013	804.5	2,482,596	12,914,638

YEAR	ANNUAL TOTAL PRESENT WORTH OF INFLATED COSTS (\$)	ANNUAL for Year (Top):	ACCUMULATED THROUGH Year (Bottom)
2008	71,453	0	71,453
2009	126,491	7,682	118,809
2010	197,944	7,682	190,262
2011	328,124	15,014	313,110
2012	462,171	6,996	440,162
2013	600,272	6,676	571,586

YEAR	DESCRIPTION OF NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$) CONSTRUCTION MAINTENANCE	CALCULATED LOSSES PEAK KW/ANNUAL KWH	YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$) FIXED CHARGES MAINTENANCE	LOSSES ROW TOTALS
2014			828.7 2,633,786 15,548,424	6,080 41,137	0 0 140,711 848,273 146,791 889,410
2015			853.5 2,794,183 18,342,607	5,802 46,939	0 0 145,641 993,914 151,443 1,040,853
2016			879.1 2,964,349 21,306,956	5,537 52,475	0 0 150,772 1,144,686 156,309 1,197,162
2017			905.5 3,144,878 24,451,834	5,284 57,759	0 0 156,114 1,300,800 161,398 1,358,559
2018			932.7 3,336,401 27,788,236	5,042 62,801	0 0 161,676 1,462,476 166,718 1,525,278

YEAR	CALCULATED LOSSES PEAK KW/ANNUAL KWH	ANNUAL PRESENT WORTH OF INFLATED COST (\$) FIXED CHARGES MAINTENANCE	LOSSES ROW TOTALS
2019	960.7	4,812	167,467
2020	989.5	4,592	173,498
2021	1019.2	4,382	179,780
2022	1049.7	4,182	186,322
2023	1081.2	3,990	193,137
2024	1113.7	3,808	200,236
2025	1147.1	3,634	207,633
2026	1181.5	3,468	215,339
2027	1216.9	3,309	223,370
2028	1253.4	3,158	231,739
2029	1291.0	3,014	240,461
2030	1329.8	2,876	249,552
2031	1369.7	2,744	259,027
2032	1410.8	2,619	268,905
2033	1453.1	2,499	279,203
2034	1496.7	2,385	289,940
2035	1541.6	2,276	301,134
2036	1587.8	2,172	312,807
2037	1635.5	2,073	324,980
2038	1684.5	1,978	337,674

YEAR: 2011

PROJECT NAME: West Bardstown to Boston Road

CFR CODE: 307

ESTIMATED COST: \$634,920

*** Carryover Item 310 2005-2008 CWP

DESCRIPTION OF PROPOSED CONSTRUCTION:

This project will be a conversion of 4.29 miles of double circuit 1/0 cu to double circuit 336.4 acsr along Ben Irvin Road in central Nelson County. This conversion will be on West Bardstown Substation fdrs 04 & 05.

REASON FOR PROPOSED CONSTRUCTION

This project will correct voltage and reliability problems on these feeders. This area is primed for increased growth due to the relocation of major highway and the construction of a new road to connect other major roads around Bardstown.

RESULTS OF PROPOSED CONSTRUCTION:

By constructing this project all Design criteria will be met and reliability will be increased.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

The alternative would be to install two sets of regulators on these circuits to correct these voltage problems. This alternative proved to be the most cost effective method but was rejected because of the road changes and growth in this area.

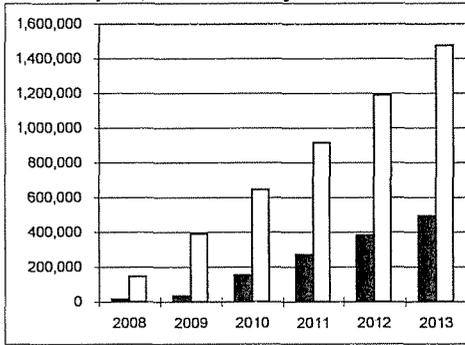
COMPARISON OF TOTAL ACCUMULATED COST and kWh LOSSES OF PLAN 1 vs PLAN 2

(All costs are the the accumulated present worth of the inflated cost)

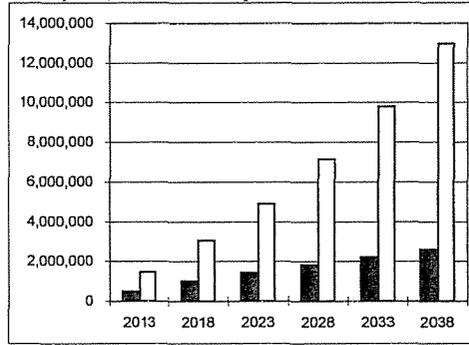
TOTAL COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	15,900	145,400
2009	32,300	387,100
2010	153,100	646,100
2011	269,800	913,200
2012	382,500	1,188,900
2013	491,500	1,473,400
2018	988,700	3,043,600
2023	1,424,100	4,902,200
2028	1,819,300	7,117,600
2033	2,193,400	9,773,800
2038	2,599,600	12,977,500

For first 6 years, favor: **PLAN 1 by 66.6%**



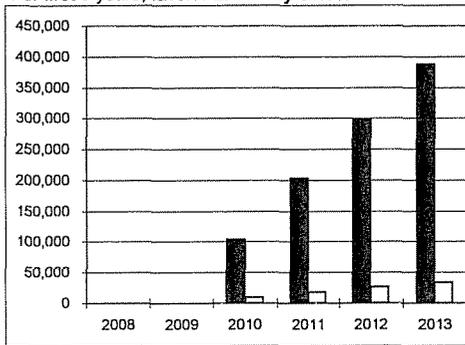
At 30 years, favor **PLAN 1 by 80.0%**



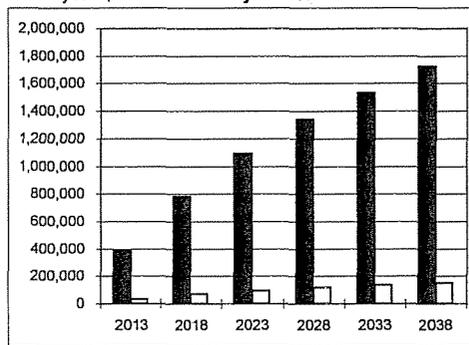
TOTAL CAPITALIZED COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	0	0
2009	0	0
2010	103,800	9,060
2011	202,860	17,700
2012	297,390	25,950
2013	387,590	33,820
2018	780,400	68,100
2023	1,091,300	95,200
2028	1,337,300	116,700
2033	1,532,000	133,700
2038	1,721,500	150,200

For first 6 years, favor: **PLAN 2 by 91.3%**



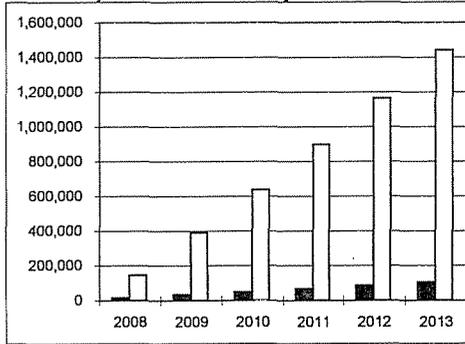
At 30 years, favor **PLAN 2 by 91.3%**



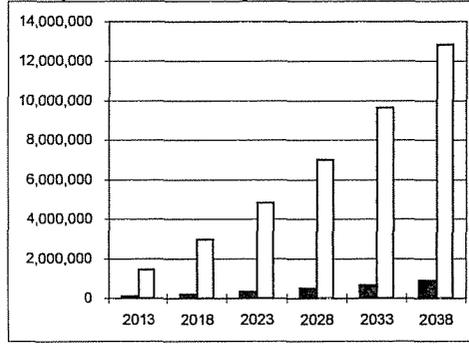
TOTAL COST OF LOSSES (\$)

YEAR	PLAN 1	PLAN 2
2008	15,900	145,380
2009	32,330	387,100
2010	49,330	637,050
2011	66,900	895,550
2012	85,080	1,162,940
2013	103,889	1,439,593
2018	208,300	2,975,500
2023	332,800	4,807,000
2028	482,000	7,000,900
2033	661,400	9,640,100
2038	878,100	12,827,300

For first 6 years, favor: **PLAN 1 by 92.8%**



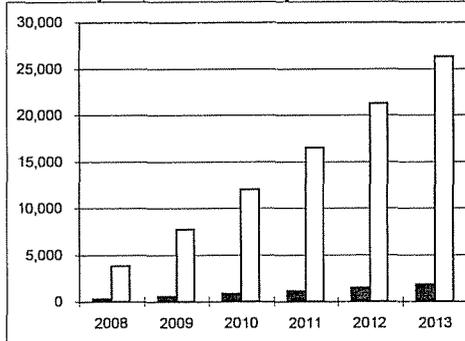
At 30 years, favor **PLAN 1 by 93.2%**



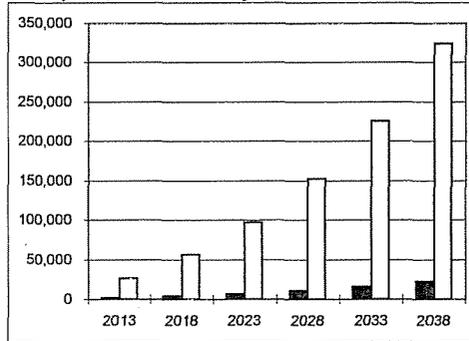
TOTAL ACCUMULATED LOSSES (MWh)

YEAR	PLAN 1	PLAN 2
2008	260	3,760
2009	530	7,750
2010	810	11,980
2011	1,120	16,460
2012	1,440	21,220
2013	1,790	26,280
2018	3,840	56,540
2023	6,610	97,210
2028	10,330	151,870
2033	15,320	225,320
2038	22,030	324,030

For first 6 years, favor: **PLAN 1 by 93.2%**



At 30 years, favor **PLAN 1 by 93.2%**



3.25% Given annual inflation rate
4.79% Given annual present worth rate

PLAN 1 PLAN 1 WEST BARDSTOWN FDR 04 & 05 WITH LINE CONVERSION
 PLAN 2 PLAN 2 WEST BARDSTOWN FDR 04 & 05 WITH REGULATORS

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 1 WEST BARDSTOWN FDR 04 & 05 WITH LINE CO
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/13/07

2008	PRESENT YEAR (First year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/KW/MONTH)
0.039	ENERGY COST (\$/KWH)
96.0	CIRCUIT or AREA MONTHLY AVERAGE PEAK DEMAND LOSSES (KW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

	DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
	YEAR DECREASE EXPECTED
	AMOUNT (KW) (Present Year)

PLAN 1 SUMMARY (Accumulated Totals, Rounded Off)

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)			
		FIXED CHARGES	MAINTENANCE	TOTALS	
2013	1,790	387,600	0	103,900	491,500
2018	3,840	780,400	0	208,300	988,700
2023	6,610	1,091,300	0	332,800	1,424,100
2028	10,330	1,337,300	0	482,000	1,819,300
2033	15,320	1,592,000	0	661,400	2,193,400
2038	22,030	1,721,500	0	878,100	2,599,600
TOTAL COST OF NEW CONSTRUCTION		\$634,920			-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE		0			-2008 DOLLARS

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)					
				PEAK KW (avg./mo.)	Annual KWH Accum. KWH	ANNUAL for Year (Top)	ACCUMULATED through Year (Bottom)	FIXED CHARGES	MAINTENANCE	LOSSES ROW TOTALS	TOTALS
2008				96.0	265,532	0	0	15,897	0	15,897	15,897
2009				98.9	271,094	0	0	16,435	0	16,435	32,332
2010	DC 1/0 CU TO DC 397 SPACER CABLE	634,920		101.8	287,604	103,801	0	16,993	0	16,993	120,794
2011				104.9	305,119	103,801	0	17,575	0	17,575	116,631
2012				108.0	323,700	103,801	0	18,180	0	18,180	112,708
2013				111.3	343,414	103,801	0	18,809	0	18,809	109,017

YEAR	DESCRIPTION OF NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$) CONSTRUCTION/MAINTENANCE	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)			
			PEAK KW/ANNUAL KWH	ANNUAL PRESENT WORTH OF INFLATED COST (\$) FIXED CHARGES MAINTENANCE	LOSSES	ROW TOTALS		
2014			114.6	364,328	86,084	0	19,464	105,548
				2,150,791	473,677	0	123,354	597,031
2015			118.1	386,515	82,149	0	20,146	102,295
				2,537,306	555,826	0	143,500	699,326
2016			121.6	410,054	78,394	0	20,856	99,250
				2,947,360	634,220	0	164,356	798,576
2017			125.3	435,026	74,811	0	21,595	96,406
				3,382,386	709,030	0	185,951	894,982
2018			129.0	461,519	71,391	0	22,364	93,755
				3,843,906	780,421	0	208,316	988,737

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)			
	PEAK KW/ANNUAL KWH	ANNUAL PRESENT WORTH OF INFLATED COST (\$) FIXED CHARGES MAINTENANCE	LOSSES	ROW TOTALS		
2019	132.9	489,626	68,128	0	23,166	91,293
2020	136.9	519,444	65,013	0	24,000	89,013
2021	141.0	551,078	62,042	0	24,869	86,910
2022	145.2	584,639	59,206	0	25,774	84,979
2023	149.6	620,244	56,499	0	26,716	83,216
2024	154.1	658,016	53,917	0	27,698	81,615
2025	158.7	698,090	51,452	0	28,722	80,174
2026	163.4	740,603	49,100	0	29,788	78,888
2027	168.3	785,706	46,856	0	30,898	77,754
2028	173.4	833,555	44,714	0	32,056	76,770
2029	178.6	884,319	42,670	0	33,263	75,933
2030	183.9	938,174	40,720	0	34,520	75,240
2031	189.5	995,309	38,858	0	35,831	74,689
2032	195.1	1,055,923	37,082	0	37,197	74,279
2033	201.0	1,120,229	35,387	0	38,622	74,009
2034	207.0	1,188,451	33,770	0	40,107	73,877
2035	213.2	1,260,827	32,226	0	41,655	73,881
2036	219.6	1,337,612	30,753	0	43,270	74,023
2037	226.2	1,419,072	29,347	0	44,954	74,301
2038	233.0	1,505,494	28,006	0	46,710	74,716

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 2 WEST BARDSTOWN FDR 04 & 05 WITH REGULA
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/13/07

2008	PRESENT YEAR (First year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/kW/MONTH)
0.039	ENERGY COST (\$/kWh)
1412.00	CIRCUIT or AREA PEAK MONTHLY AVERAGE DEMAND LOSSES (kW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

	DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
	YEAR DECREASE EXPECTED
	AMOUNT (kW) (Present Year)

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	LOSSES
2013	26,280	33,800	0	1,439,600
2018	56,540	68,100	0	2,975,500
2023	97,210	95,200	0	4,807,000
2028	151,870	116,700	0	7,000,900
2033	225,320	133,700	0	9,640,100
2038	324,030	150,200	0	12,827,300
TOTAL COST OF NEW CONSTRUCTION		\$55,400		
TOTAL COST OF ADDED MAINTENANCE		0		
		-2008 DOLLARS		
		-2008 DOLLARS		

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE	CALCULATED LOSSES PEAK kW (avg./mo.)	Annual kWh Accum. kWh	YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)	ANNUAL for Year (Top):	ACCUMULATED through Year (Bottom)		
							FIXED CHARGES	MAINTENANCE	LOSSES	ROW TOTALS
2008				0.0	3,758,452	0	0	0	145,377	145,377
					3,758,452	0	0	0	145,377	145,377
2009				1454.4	3,987,342	0	0	0	241,726	241,726
					7,745,793	0	0	0	387,103	387,103
2010	THREE PHASE 150 AMP REGULATOR	27,700	27,700	1498.0	4,230,171	9,057	9,057	0	249,946	259,003
	THREE PHASE 150 AMP REGULATOR	27,700	27,700		11,975,964	9,057	9,057	0	637,049	646,106
2011				1542.9	4,487,788	8,643	8,643	0	258,497	267,140
					16,463,752	17,700	17,700	0	895,545	913,246
2012				1589.2	4,761,094	8,248	8,248	0	267,394	275,642
					21,224,847	25,948	25,948	0	1,162,940	1,188,888
2013				1636.9	5,051,045	7,871	7,871	0	276,653	284,524
					26,275,892	33,819	33,819	0	1,439,593	1,473,412

YEAR	DESCRIPTION OF NEW CONSTRUCTION OR ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$) CONSTRUCTION/MAINTENANCE	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)			
			PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE	LOSSES	ROW TOTALS		
2014			1686.0	5,358,654 31,634,545	7,511 41,331	0 0	286,289 1,725,882	293,800 1,767,212
2015			1736.6	5,684,996 37,319,541	7,168 48,499	0 0	296,318 2,022,200	303,486 2,070,698
2016			1788.7	6,031,212 43,350,753	6,840 55,339	0 0	306,768 2,328,968	313,599 2,384,297
2017			1842.3	6,398,513 49,749,265	6,528 61,866	0 0	317,627 2,646,585	324,155 2,708,451
2018			1897.6	6,788,182 56,537,448	6,229 68,096	0 0	328,943 2,975,528	335,172 3,043,624

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)	
	PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE	LOSSES	ROW TOTALS
2019	1954.5	7,201,582	5,944	346,726
2020	2013.2	7,640,159	5,673	352,997
2021	2073.6	8,105,444	5,413	365,776
2022	2135.8	8,599,066	5,166	379,087
2023	2199.8	9,122,749	4,930	392,952
2024	2265.8	9,678,325	4,705	407,397
2025	2333.8	10,267,735	4,489	422,445
2026	2403.8	10,893,040	4,284	438,125
2027	2476.0	11,556,426	4,088	454,465
2028	2550.2	12,260,212	3,902	471,492
2029	2626.7	13,006,859	3,723	489,237
2030	2705.5	13,798,977	3,553	507,733
2031	2786.7	14,639,334	3,391	527,013
2032	2870.3	15,530,870	3,236	547,110
2033	2956.4	16,476,700	3,088	568,062
2034	3045.1	17,480,131	2,947	589,906
2035	3136.5	18,544,671	2,812	612,683
2036	3230.6	19,674,041	2,683	636,432
2037	3327.5	20,872,190	2,561	661,198
2038	3427.3	22,143,307	2,444	687,025

YEAR: 2010

PROJECT NAME: Plum Ridge Road

CFR CODE: 308

ESTIMATED COST: \$133,650

*** Carryover Item 312 2005-2008 CWP

DESCRIPTION OF PROPOSED CONSTRUCTION:

This project includes 1.65 mile 6a cwc to three phase 1/0 acsr along Plum Ridge Road in northern Spencer County. This conversion is on Darwin Thomas Substation fdr 04

REASON FOR PROPOSED CONSTRUCTION

This conversion will correct voltage problems on this feeder.

RESULTS OF PROPOSED CONSTRUCTION:

With the construction of this project all design criteria will be met and reliability will be increased.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

No alternatives were considered because of the ampacity problems and because the installation of a regulator did not solve voltage problems.

YEAR: 2010

PROJECT NAME: Dale Lane

CFR CODE: 309

ESTIMATED COST: \$289,170

DESCRIPTION OF PROPOSED CONSTRUCTION:

This conversion consists of 3.57 mile of 2acwc to 336.4 acsr along Dale Lane in northern Spencer County.

REASON FOR PROPOSED CONSTRUCTION

This project will correct voltage problems on circuit 03 out of Darwin Thomas substation.

RESULTS OF PROPOSED CONSTRUCTION:

By constructing this project all items not being met above will be corrected.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

Alternative number 2 includes the installation of three phase regulators. This plan is not as reliable. Economic analysis of this plan suggests that the conversion is the best option.

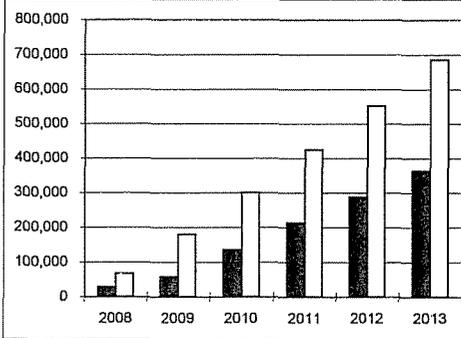
COMPARISON OF TOTAL ACCUMULATED COST and KWH LOSSES OF PLAN 1 vs PLAN 2

(All costs are the the accumulated present worth of the inflated cost)

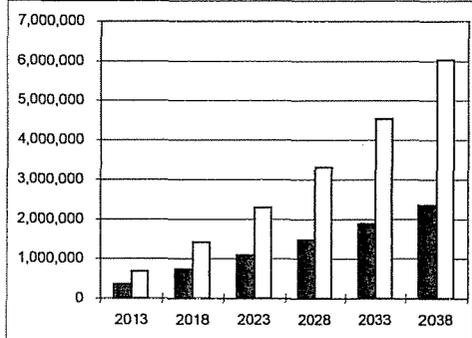
TOTAL COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	28,500	67,400
2009	57,900	179,600
2010	135,700	300,000
2011	212,300	424,300
2012	287,900	552,400
2013	362,700	684,700
2018	728,600	1,414,300
2023	1,093,300	2,277,500
2028	1,472,600	3,305,900
2033	1,882,800	4,538,700
2038	2,357,300	6,025,500

For first 6 years, favor: **PLAN 1** by 47.0%



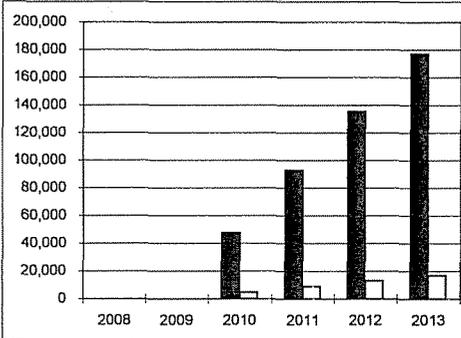
At 30 years, favor **PLAN 1** by 60.9%



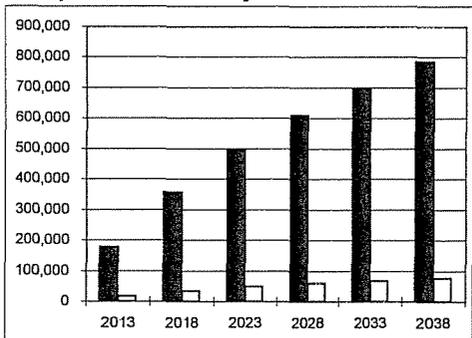
TOTAL CAPITALIZED COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	0	0
2009	0	0
2010	47,280	4,530
2011	92,390	8,850
2012	135,440	12,970
2013	176,530	16,910
2018	355,400	34,000
2023	497,000	47,600
2028	609,100	58,300
2033	697,800	66,800
2038	784,100	75,100

For first 6 years, favor: **PLAN 2** by 90.4%



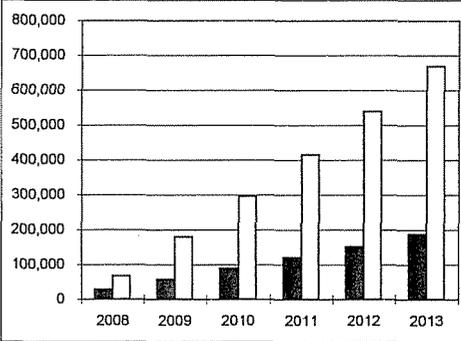
At 30 years, favor **PLAN 2** by 90.4%



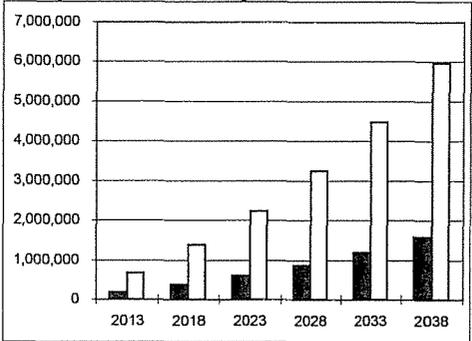
TOTAL COST OF LOSSES (\$)

YEAR	PLAN 1	PLAN 2
2008	28,480	67,440
2009	57,930	179,570
2010	88,370	295,510
2011	119,860	415,430
2012	152,440	539,470
2013	186,135	667,800
2018	373,200	1,380,300
2023	596,300	2,229,900
2028	863,500	3,247,600
2033	1,185,000	4,471,900
2038	1,573,200	5,950,400

For first 6 years, favor: **PLAN 1** by 72.1%



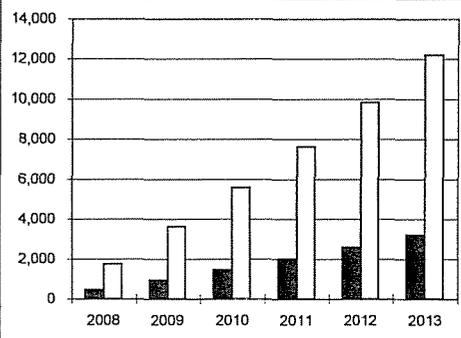
At 30 years, favor **PLAN 1** by 73.6%



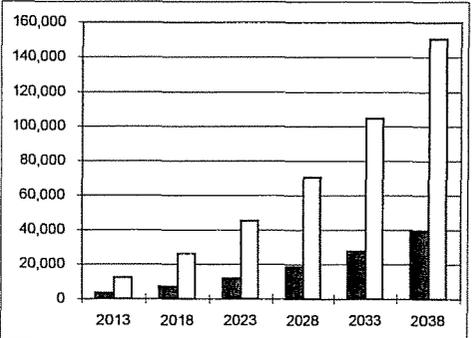
TOTAL ACCUMULATED LOSSES (MWH)

YEAR	PLAN 1	PLAN 2
2008	460	1,740
2009	940	3,590
2010	1,460	5,560
2011	2,010	7,640
2012	2,590	9,850
2013	3,200	12,190
2018	6,890	26,230
2023	11,840	45,100
2028	18,500	70,450
2033	27,450	104,520
2038	39,470	150,310

For first 6 years, favor: **PLAN 1** by 73.7%



At 30 years, favor **PLAN 1** by 73.7%



3.25% Given annual inflation rate
4.79% Given annual present worth rate

PLAN 1 PLAN 1 DARWIN THOMAS FDR 03 WITH LINE CONVERSION
 PLAN 2 PLAN 2 DARWIN THOMAS FDR 03 WITH REGULATORS

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 1 DARWIN THOMAS FDR 03 WITH LINE CONVERTERS
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/13/07

2008	PRESENT YEAR (First year of plan)	
3.25	ANNUAL INFLATION RATE (%)	
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)	
0.10	TAX RATE (%)	
6.81	DEPRECIATION RATE (%)	
5.14	OPERATIONS & MAINTENANCE RATE (%)	
16.84%	FIXED CHARGE RATE (Sum of Above)	

5.22	DEMAND COST (\$/KW/MONTH)
0.039	ENERGY COST (\$/KWH)
172.0	CIRCUIT or AREA MONTHLY AVERAGE PEAK DEMAND LOSSES (KW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (- 40 to 90%)
0.304	CALCULATED LOSS FACTOR

DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
 YEAR DECREASE EXPECTED
 AMOUNT (KW) (Present Year)

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE
2008			
2009			
2010	THREE PHASE 2ACWC TO 336.4 ACSR	289,170	
2011			
2012			
2013			

PLAN 1 SUMMARY (Accumulated Totals, Rounded Off)

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	TOTALS
2013	3,200	176,500	186,100	362,600
2018	6,890	355,400	373,200	728,600
2023	11,840	497,000	596,300	1,093,300
2028	18,500	609,100	863,500	1,472,600
2033	27,450	697,800	1,185,000	1,882,800
2038	39,470	784,100	1,573,200	2,357,300

TOTAL COST OF NEW CONSTRUCTION \$289,170 -2008 DOLLARS
 TOTAL COST OF ADDED MAINTENANCE 0 -2008 DOLLARS

YEAR	PEAK KW (avg./mo.)	ANNUAL KWH	FIXED CHARGES	MAINTENANCE	LOSSES	ROW TOTALS
2008	172.0	457,828	0	0	28,483	28,483
2009	177.2	485,710	0	0	29,445	29,445
2010	182.5	515,290	47,275	0	30,447	77,722
2011	187.9	546,671	45,114	0	31,488	76,603
2012	193.6	579,963	43,052	0	32,572	75,624
2013	199.4	615,283	41,084	0	33,700	74,784

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)			
				PEAK KW/ANNUAL KWH	FIXED CHARGES MAINTENANCE	LOSSES	ROW TOTALS		
2014				205.4	652,754	39,206	0	34,874	74,080
					3,853,500	215,733	0	221,009	436,742
2015				211.5	692,507	37,414	0	36,095	73,510
					4,546,006	253,147	0	257,104	510,251
2016				217.9	734,680	35,704	0	37,367	73,071
					5,280,687	288,851	0	294,472	583,323
2017				224.4	779,422	34,072	0	38,691	72,763
					6,060,109	322,923	0	333,163	656,086
2018				231.2	826,889	32,514	0	40,070	72,584
					6,886,998	355,438	0	373,232	728,670

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)	
	PEAK KW/ANNUAL KWH	FIXED CHARGES MAINTENANCE	LOSSES	ROW TOTALS
2019	238.1	877,247	31,028	41,505
2020	245.2	930,671	29,610	43,000
2021	252.6	987,349	28,256	44,556
2022	260.2	1,047,478	26,965	46,178
2023	268.0	1,111,270	25,732	47,867
2024	276.0	1,178,946	24,556	49,626
2025	284.3	1,250,744	23,434	51,459
2026	292.8	1,326,914	22,362	53,369
2027	301.6	1,407,723	21,340	55,360
2028	310.7	1,493,454	20,365	57,434
2029	320.0	1,584,405	19,434	59,595
2030	329.6	1,680,895	18,546	61,849
2031	339.5	1,783,262	17,698	64,197
2032	349.6	1,891,862	16,889	66,645
2033	360.1	2,007,077	16,117	69,197
2034	370.9	2,129,308	15,380	71,858
2035	382.1	2,258,983	14,677	74,633
2036	393.5	2,396,555	14,006	77,526
2037	405.3	2,542,505	13,366	80,543
2038	417.5	2,697,343	12,755	83,689

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 2 DARWIN THOMAS FDR 03 WITH REGULATORS
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/13/07

2008	PRESENT YEAR (First year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/KW/MONTH)
0.039	ENERGY COST (\$/KWH)
665.00	CIRCUIT or AREA PEAK MONTHLY AVERAGE DEMAND LOSSES (KW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
 YEAR DECREASE EXPECTED
 AMOUNT (KW) (Present Year)

PLAN 1 SUMMARY (Accumulated Totals, Rounded Off)

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	TOTALS
2013	12,190	16,900	0	667,800
2018	26,230	34,000	0	1,380,300
2023	45,100	47,600	0	2,229,900
2028	70,450	58,300	0	3,247,600
2033	104,520	66,800	0	4,471,900
2038	150,310	75,100	0	5,950,400
TOTAL COST OF NEW CONSTRUCTION		\$27,700	0	-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE		0	0	-2008 DOLLARS

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION MAINTENANCE (avg./mo.)	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)			
				PEAK KW	Annual KWH	ANNUAL for Year (Top)	ACCUMULATED through Year (Bottom)	FIXED CHARGES MAINTENANCE	LOSSES
2008			0.0	1,743,474	1,743,474	0	0	67,438	67,438
2009			674.7	1,849,652	3,593,127	0	0	112,132	112,132
2010	THREE PHASE 150 AMP REGULATOR	27,700	694.9	1,962,296	5,555,422	4,529	0	115,945	120,474
2011			715.7	2,081,800	7,637,222	4,322	0	119,912	124,233
2012			737.2	2,208,581	9,845,803	4,124	0	124,039	128,163
2013			759.3	2,343,084	12,188,887	3,936	0	128,334	132,270

YEAR	DESCRIPTION OF NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CALCULATED LOSSES PEAK KW/ANNUAL KWH	YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)		
		CONSTRUCTION/MAINTENANCE	PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE		
				LOSSES ROW TOTALS		
2014			782.1 2,485,778 14,674,665	3,756 0 800,604	132,804 0 821,269	
2015			805.6 2,637,162 17,311,827	3,584 0 24,249	137,456 0 938,060	141,040 0 962,309
2016			829.7 2,797,765 20,109,591	3,420 0 27,669	142,299 0 1,080,359	145,719 0 1,108,029
2017			854.6 2,968,149 23,077,740	3,264 0 30,933	147,341 0 1,227,701	150,605 0 1,258,634
2018			880.3 3,148,909 26,226,649	3,115 0 34,048	152,590 0 1,380,291	155,705 0 1,414,339

YEAR	CALCULATED LOSSES PEAK KW/ANNUAL KWH	ANNUAL PRESENT WORTH OF INFLATED COST (\$)	LOSSES ROW TOTALS
		FIXED CHARGES/MAINTENANCE	
2019	906.7 3,340,677	2,972	158,056
2020	933.9 3,544,125	2,836	163,748
2021	961.9 3,759,962	2,707	169,677
2022	990.7 3,988,944	2,583	175,851
2023	1020.5 4,231,870	2,465	182,283
2024	1051.1 4,489,591	2,352	188,984
2025	1082.6 4,763,007	2,245	195,964
2026	1115.1 5,053,074	2,142	203,238
2027	1148.5 5,360,807	2,044	210,817
2028	1183.0 5,687,280	1,951	218,716
2029	1218.5 6,033,635	1,862	226,948
2030	1255.0 6,401,083	1,777	235,528
2031	1292.7 6,790,909	1,695	244,471
2032	1331.5 7,204,476	1,618	253,794
2033	1371.4 7,643,228	1,544	263,513
2034	1412.6 8,108,701	1,473	273,646
2035	1454.9 8,602,521	1,406	284,212
2036	1498.6 9,126,414	1,342	295,229
2037	1543.6 9,682,213	1,280	306,717
2038	1589.9 10,271,860	1,222	318,698

YEAR: 2010

PROJECT NAME: **Pendleton Hill Road conversion**

CFR CODE: **310**

ESTIMATED COST: \$120,690

DESCRIPTION OF PROPOSED CONSTRUCTION:

This project requires the conversion of 1.49 miles of single phase 6acwc to three phase 1/0 ACSR along Pendleton Hill road in northern Bullitt County. This project is on Knob Creek Substation fdr 01.

REASON FOR PROPOSED CONSTRUCTION

This project will correct projected loads of over 100% ampacity problems on circuit 01. There currently over 130 customers on this tap and some very long spans. Coordination problems also exist with this project.

RESULTS OF PROPOSED CONSTRUCTION:

With this construction all design criteria will be met.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

No alternatives were considered because of the ampacity issues.

YEAR	DESCRIPTION OF NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)			
			PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE	LOSSES	ROW TOTALS		
2014			782.1	2,485,778	3,756	0	132,804	136,560
				14,674,665	20,665	0	800,604	821,269
2015			805.6	2,637,162	3,584	0	137,456	141,040
				17,311,827	24,249	0	938,060	962,309
2016			829.7	2,797,765	3,420	0	142,299	145,719
				20,109,591	27,669	0	1,080,359	1,108,029
2017			854.6	2,968,149	3,264	0	147,341	150,605
				23,077,740	30,933	0	1,227,701	1,258,634
2018			880.3	3,148,909	3,115	0	152,590	155,705
				26,226,649	34,048	0	1,380,291	1,414,339

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)	
	PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE	LOSSES	ROW TOTALS
2019	906.7	3,340,677	2,972	158,056
2020	933.9	3,544,125	2,836	163,748
2021	961.9	3,759,962	2,707	169,677
2022	990.7	3,988,944	2,583	175,851
2023	1020.5	4,231,870	2,465	182,283
2024	1051.1	4,489,591	2,352	188,984
2025	1082.6	4,763,007	2,245	195,964
2026	1115.1	5,053,074	2,142	203,238
2027	1148.5	5,360,807	2,044	210,817
2028	1183.0	5,687,280	1,951	218,716
2029	1218.5	6,033,635	1,862	226,948
2030	1255.0	6,401,083	1,777	235,528
2031	1292.7	6,790,909	1,695	244,471
2032	1331.5	7,204,476	1,618	253,794
2033	1371.4	7,643,228	1,544	263,513
2034	1412.6	8,108,701	1,473	273,646
2035	1454.9	8,602,521	1,406	284,212
2036	1498.6	9,126,414	1,342	295,229
2037	1543.6	9,682,213	1,280	306,717
2038	1589.9	10,271,860	1,222	318,698

YEAR: 2010

PROJECT NAME: Pendleton Hill Road conversion

CFR CODE: 310

ESTIMATED COST: \$120,690

DESCRIPTION OF PROPOSED CONSTRUCTION:

This project requires the conversion of 1.49 miles of single phase 6acwc to three phase 1/0 ACSR along Pendleton Hill road in northern Bullitt County. This project is on Knob Creek Substation fdr 01.

REASON FOR PROPOSED CONSTRUCTION

This project will correct projected loads of over 100% ampacity problems on circuit 01. There currently over 130 customers on this tap and some very long spans. Coordination problems also exist with this project.

RESULTS OF PROPOSED CONSTRUCTION:

With this construction all design criteria will be met.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

No alternatives were considered because of the ampacity issues.

YEAR: 2008

PROJECT NAME: South St Gregory Road

CFR CODE: 311

ESTIMATED COST: \$55,890

DESCRIPTION OF PROPOSED CONSTRUCTION:

This project will consist of the conversion of 0.69 miles of single phase 2 acsr to three phase 1/0 ACSR along South St Gregory road in central Nelson County. This is on the proposed new Deatsville Substation for 01.

REASON FOR PROPOSED CONSTRUCTION:

This single phase tap currently has 193 customers and lots of new lots being built on in existing developed subdivisions on it. Cold load pickup has been a problem on this tap.

RESULTS OF PROPOSED CONSTRUCTION:

All Design Criteria will be met.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

The utilization of a regulator solved the voltage problem but did not solve the coordination issue. Economic analysis confirmed the conversion to be the best solution in the long term.

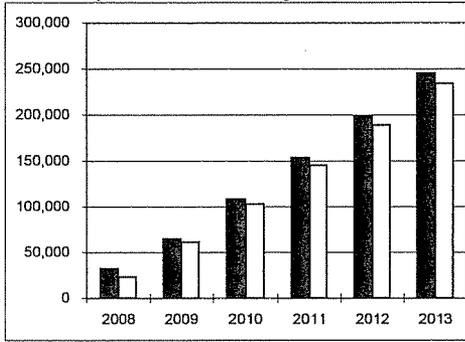
COMPARISON OF TOTAL ACCUMULATED COST and kWh LOSSES OF PLAN 1 vs PLAN 2

(All costs are the the accumulated present worth of the inflated cost)

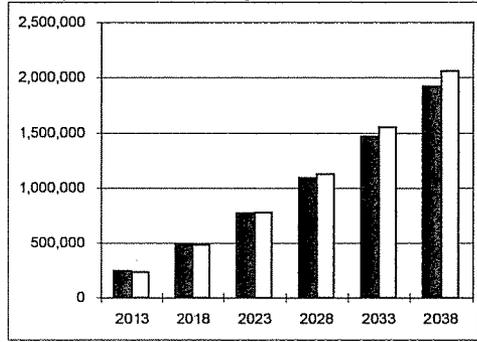
TOTAL COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	31,600	23,100
2009	64,300	61,400
2010	108,500	102,500
2011	153,300	144,900
2012	198,900	188,600
2013	245,300	233,700
2018	492,200	482,800
2023	770,900	777,700
2028	1,092,200	1,129,100
2033	1,468,600	1,550,500
2038	1,918,600	2,058,700

For first 6 years, favor: **PLAN 2** by 4.7%



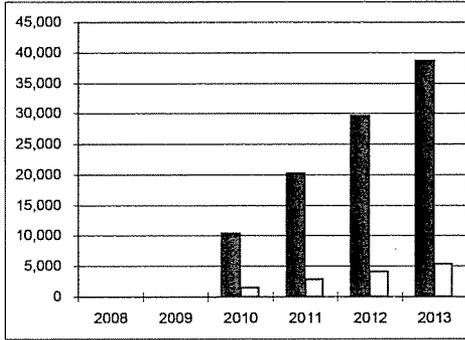
At 30 years, favor **PLAN 1** by 6.8%



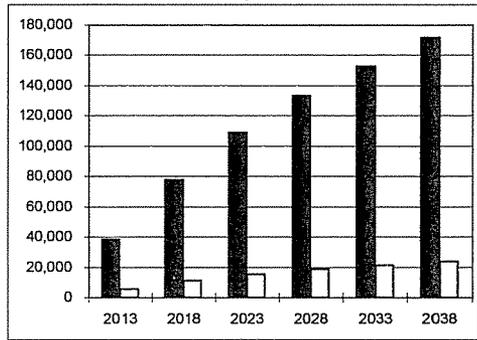
TOTAL CAPITALIZED COSTS (\$)

YEAR	PLAN 1	PLAN 2
2008	0	0
2009	0	0
2010	10,330	1,440
2011	20,190	2,810
2012	29,590	4,120
2013	38,570	5,370
2018	77,700	10,800
2023	108,600	15,100
2028	133,100	18,500
2033	152,500	21,200
2038	171,400	23,800

For first 6 years, favor: **PLAN 2** by 86.1%



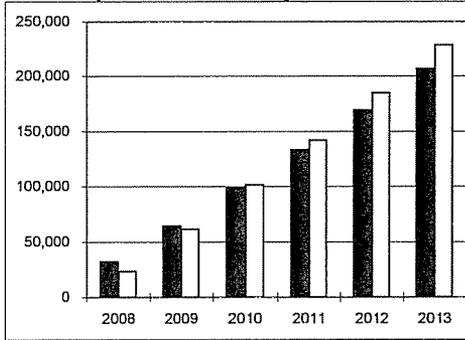
At 30 years, favor **PLAN 2** by 86.1%



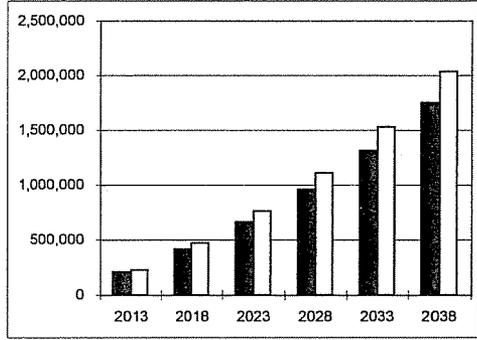
TOTAL COST OF LOSSES (\$)

YEAR	PLAN 1	PLAN 2
2008	31,630	23,060
2009	64,330	61,410
2010	98,140	101,060
2011	133,100	142,070
2012	169,270	184,490
2013	206,697	228,377
2018	414,500	472,000
2023	662,300	762,600
2028	959,100	1,110,600
2033	1,316,100	1,529,300
2038	1,747,200	2,034,900

For first 6 years, favor: **PLAN 1** by 9.5%



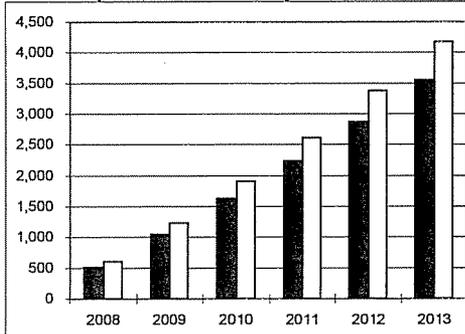
At 30 years, favor **PLAN 1** by 14.1%



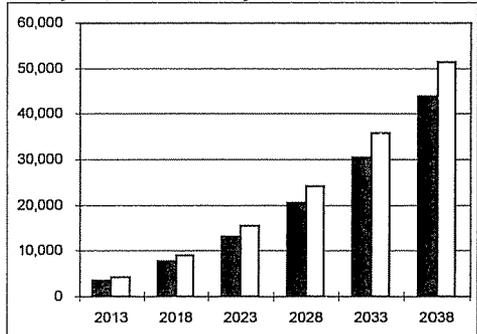
TOTAL ACCUMULATED LOSSES (MWH)

YEAR	PLAN 1	PLAN 2
2008	510	600
2009	1,050	1,230
2010	1,620	1,900
2011	2,230	2,610
2012	2,870	3,370
2013	3,550	4,170
2018	7,650	8,970
2023	13,150	15,420
2028	20,540	24,090
2033	30,480	35,740
2038	43,830	51,400

For first 6 years, favor: **PLAN 1** by 14.9%



At 30 years, favor **PLAN 1** by 14.7%



3.25% Given annual inflation rate
4.79% Given annual present worth rate

PLAN 1 PLAN 1 DEATSVILLE FDR 01 WITH LINE CONVERSION
 PLAN 2 PLAN 2 DEATSVILLE FDR 01 WITH REGULATORS

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 2 DEATSVILLE FDR 01 WITH REGULATORS
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/13/07

2008	PRESENT YEAR (First Year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.94%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/KW/MONTH)
0.039	ENERGY COST (\$/KWH)
224.00	CIRCUIT or AREA PEAK MONTHLY AVERAGE DEMAND LOSSES (KW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
 YEAR DECREASE EXPECTED
 AMOUNT (KW) (Present Year)

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$) CONSTRUCTION	MAINTENANCE
2008			
2009			
2010	SINGLE PHASE 150 AMP REGULATOR	8,800	
2011			
2012			
2013			

YEAR	MWH LOSSES	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	TOTALS
2013	4,170	5,400	0	228,400
2018	8,970	10,800	0	472,000
2023	15,420	15,100	0	762,600
2028	24,090	18,500	0	1,129,100
2033	35,740	21,200	0	1,529,300
2038	51,400	23,800	0	2,034,900
TOTAL COST OF NEW CONSTRUCTION			\$8,800	-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE			0	-2008 DOLLARS

YEAR	CALCULATED LOSSES PEAK KW (avg./mo.)	Annual KWH Accum. KWH	YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)			
			ANNUAL for Year (Top)	ACCUMULATED through Year (Bottom)	FIXED CHARGES	MAINTENANCE LOSSES ROW TOTALS
2008	0.0	596,242	0	23,063	0	23,063
2009	230.7	1,228,794	0	61,410	0	61,410
2010	237.6	671,075	1,439	39,651	0	41,090
2011	244.8	1,899,870	1,439	101,062	0	102,500
2012	252.1	711,944	1,373	41,008	0	42,381
2013	259.7	2,611,813	2,812	142,070	0	144,881
		755,301	1,310	42,419	0	43,730
		3,367,114	4,122	184,489	0	188,611
		801,299	1,250	43,888	0	45,139
		4,168,413	5,372	228,377	0	233,749

YEAR	DESCRIPTION OF ADDITIONAL NEW CONSTRUCTION OR ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CONSTRUCTION/MAINTENANCE	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)	
				PEAK KW/ANNUAL KWH	ANNUAL PRESENT WORTH OF INFLATED COST (\$)	FIXED CHARGES/MAINTENANCE	LOSSES ROW TOTALS
2014		267.5	850,098	1,193	0	45,417	46,610
			5,018,511	6,565	0	273,794	280,359
2015		275.5	901,869	1,139	0	47,008	48,147
			5,920,380	7,704	0	320,802	328,506
2016		283.8	956,793	1,087	0	48,664	49,751
			6,877,173	8,790	0	369,466	378,257
2017		292.3	1,015,062	1,037	0	50,388	51,425
			7,892,235	9,827	0	419,855	429,682
2018		301.0	1,076,879	989	0	52,184	53,173
			8,969,113	10,817	0	472,038	482,855

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)	
	PEAK KW/ANNUAL KWH	FIXED CHARGES/MAINTENANCE	LOSSES	ROW TOTALS
2019	310.1	1,142,461	944	54,053
2020	319.4	1,212,037	901	55,999
2021	329.0	1,285,850	860	58,027
2022	338.8	1,364,158	821	60,138
2023	349.0	1,447,235	783	62,338
2024	359.5	1,535,372	747	64,629
2025	370.2	1,628,876	713	67,017
2026	381.3	1,728,074	681	69,504
2027	392.8	1,833,314	649	72,096
2028	404.6	1,944,963	620	74,798
2029	416.7	2,063,411	591	77,613
2030	429.2	2,189,073	564	80,547
2031	442.1	2,322,387	539	83,605
2032	455.3	2,463,821	514	86,794
2033	469.0	2,613,867	490	90,118
2034	483.1	2,773,052	468	93,563
2035	497.6	2,941,931	447	97,196
2036	512.5	3,121,094	426	100,964
2037	527.9	3,311,169	407	104,883
2038	543.7	3,512,819	388	108,990

ANNUAL & ACCUMULATED TOTALS of the PRESENT WORTH of the INFLATED COSTS of CARRYING CHARGES, MAINTENANCE and LOSSES

PLAN: PLAN 1 DEATSVILLE FDR 01 WITH LINE CONVERSION
 COMPANY: SALT RIVER ELECTRIC

ENGINEER: GARY PILE
 DATE: 11/13/07

2008	PRESENT YEAR (First year of plan)
3.25	ANNUAL INFLATION RATE (%)
4.79	BLENDED INTEREST RATE (%) (& Present Worth Factor)
0.10	TAX RATE (%)
6.81	DEPRECIATION RATE (%)
5.14	OPERATIONS & MAINTENANCE RATE (%)
16.84%	FIXED CHARGE RATE (Sum of Above)

5.22	DEMAND COST (\$/kW/MONTH)
0.039	ENERGY COST (\$/kWh)
191.0	CIRCUIT or AREA MONTHLY AVERAGE PEAK DEMAND LOSSES (kW)
3.0	CIRCUIT or AREA ANNUAL GROWTH RATE (%)
51.37	ANNUAL LOAD FACTOR (%) (~ 40 to 90%)
0.304	CALCULATED LOSS FACTOR

DECREASE IN CIRCUIT PEAK DEMAND LOSSES (Optional)
 YEAR DECREASE EXPECTED
 AMOUNT (kW) (Present Year)

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$) CONSTRUCTION/MAINTENANCE
2008		
2009		
2010	1 PHASE 2 ACSR TO 3 PHASE 1/0 ACSI	63,180
2011		
2012		
2013		

YEAR	MW	PRESENT WORTH OF INFLATED COST (\$)		
		FIXED CHARGES	MAINTENANCE	LOSSES
2013	3,550	38,600	0	206,700
2018	7,650	77,700	0	414,500
2023	13,150	108,600	0	682,300
2028	20,540	133,100	0	959,100
2033	30,480	152,500	0	1,316,100
2038	43,830	171,400	0	1,747,200
TOTAL COST OF NEW CONSTRUCTION		\$63,180	0	-2008 DOLLARS
TOTAL COST OF ADDED MAINTENANCE		0	0	-2008 DOLLARS

YEAR	PEAK kW (avg./mo.)	ANNUAL KWH Accum. KWH	YEARLY TOTAL PRESENT WORTH OF INFLATED COSTS (\$)			
			ANNUAL for Year (Top)	ACCUMULATED through Year (Bottom)	FIXED CHARGES MAINTENANCE	LOSSES ROW TOTALS
2008	191.0	508,402	0	0	31,629	31,629
2009	196.7	539,364	0	0	32,698	32,698
		1,047,767	0	0	64,327	64,327
2010	202.6	572,211	10,329	0	33,810	44,139
		1,619,978	10,329	0	98,137	108,466
2011	208.7	607,059	9,857	0	34,967	44,824
		2,227,037	20,186	0	133,104	153,290
2012	215.0	644,029	9,406	0	36,170	45,577
		2,871,066	29,592	0	169,274	198,866
2013	221.4	683,250	8,976	0	37,423	46,399
		3,554,317	38,569	0	206,697	245,266

YEAR	DESCRIPTION of NEW CONSTRUCTION or ADDITIONAL MAINTENANCE	PRESENT ESTIMATED COST (\$)	CALCULATED LOSSES		YEARLY TOTAL PRESENT WORTH OF INFLATED COST (\$)			
			CONSTRUCTION MAINTENANCE	PEAK KW/ANNUAL KWH	FIXED CHARGES MAINTENANCE	LOSSES ROW TOTALS		
2014			228.1	724,860	8,566	38,726	47,292	
				4,279,177	47,135	0	245,423	292,558
2015			234.9	769,004	8,175	0	40,083	48,257
				5,048,182	55,309	0	285,505	340,815
2016			242.0	815,837	7,801	0	41,495	49,296
				5,864,018	63,110	0	327,000	390,111
2017			249.2	865,521	7,444	0	42,965	50,409
				6,729,539	70,555	0	369,965	440,520
2018			256.7	918,231	7,104	0	44,466	51,600
				7,647,771	77,659	0	414,461	492,120

YEAR	CALCULATED LOSSES		ANNUAL PRESENT WORTH OF INFLATED COST (\$)	
	PEAK KW/ANNUAL KWH	FIXED CHARGES MAINTENANCE	LOSSES	ROW TOTALS
2019	264.4	974,152	6,779	46,090
2020	272.3	1,033,478	6,469	47,750
2021	280.5	1,096,416	6,174	49,478
2022	288.9	1,163,188	5,891	51,279
2023	297.6	1,234,026	5,622	53,154
2024	306.5	1,309,178	5,365	55,108
2025	315.7	1,388,907	5,120	57,144
2026	325.2	1,473,492	4,886	59,265
2027	334.9	1,563,228	4,663	61,475
2028	345.0	1,658,428	4,449	63,778
2029	355.3	1,759,426	4,246	66,179
2030	366.0	1,866,575	4,052	68,681
2031	377.0	1,980,250	3,867	71,289
2032	388.3	2,100,847	3,690	74,007
2033	399.9	2,228,789	3,521	76,841
2034	411.9	2,364,522	3,360	79,796
2035	424.3	2,508,521	3,207	82,877
2036	437.0	2,661,290	3,060	86,090
2037	450.1	2,823,363	2,920	89,440
2038	463.6	2,995,306	2,787	92,933

YEAR: 2010

PROJECT NAME: **Horsefly Hollow road**

CFR CODE: **608-1**

ESTIMATED COST: \$83,700

DESCRIPTION OF PROPOSED CONSTRUCTION:

A 1.35 mile conversion of single phase 6A to single phase 1\0 ACSR through Horsefly Hollow road in southern Bullitt County. This is on Lebanon Jct #2 Substation fdr 02.

REASON FOR PROPOSED CONSTRUCTION

This is a conductor replacement item. Numerous outages occur in this section of line due to the terrain and the relocation to the road will help this dramatically.

RESULTS OF PROPOSED CONSTRUCTION:

With the construction of this project all design criteria will be met and more reliable service provided.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

No alternatives were considered.

YEAR: 2009

PROJECT NAME: **Mt. Elmira Road**

CFR CODE: **608-2**

ESTIMATED COST: \$146,940

*** Carryover Item 319 2005-2008 CWP

DESCRIPTION OF PROPOSED CONSTRUCTION:

This project is a 2.35 mile single phase 6a cwc to single phase 1/0 acsr conversion along Mt Elmira road in central Bullitt County. This is on Brooks Substation fdr 05.

REASON FOR PROPOSED CONSTRUCTION:

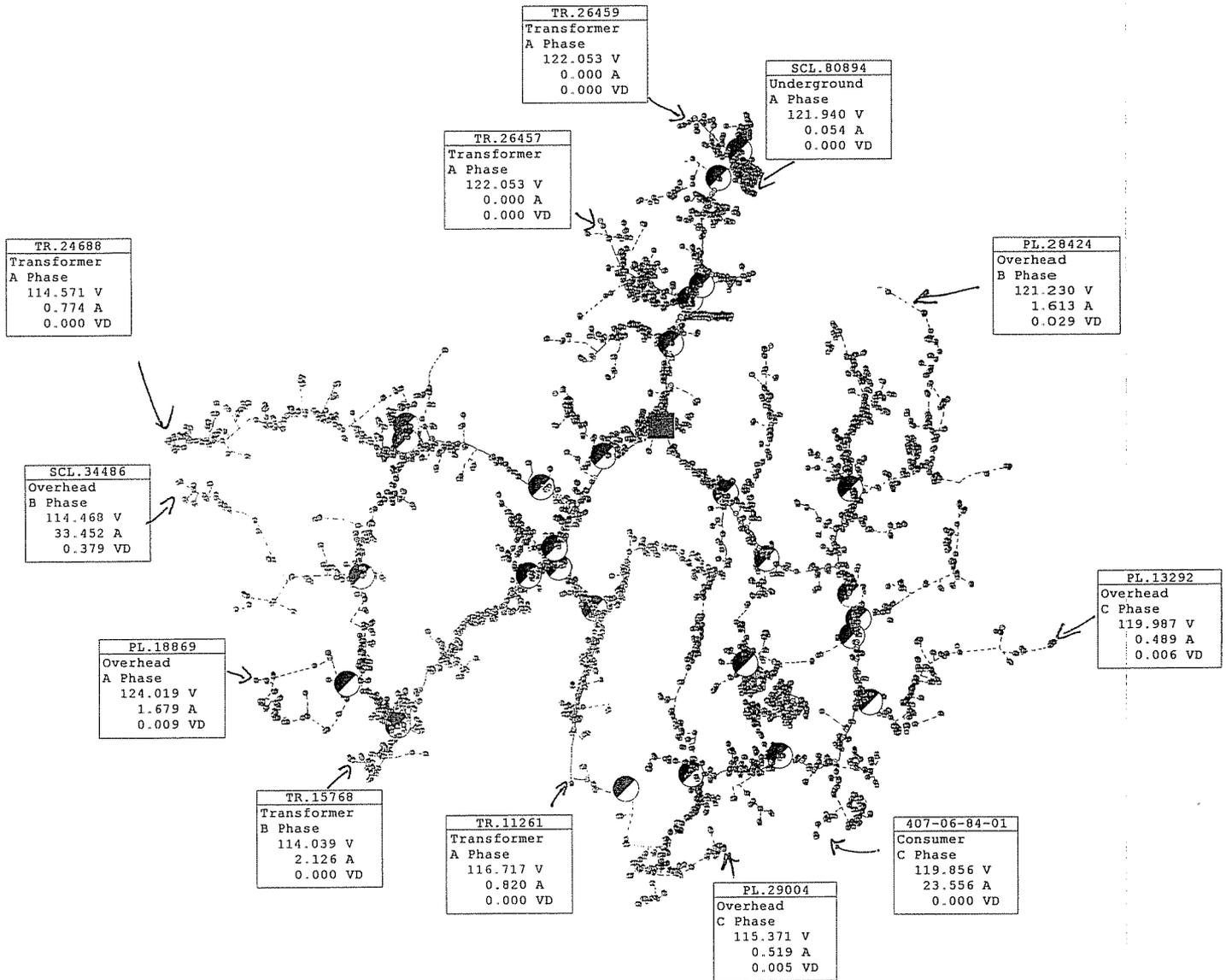
This is a conductor replacement item.

RESULTS OF PROPOSED CONSTRUCTION:

By completing this line all design criteria will be met.

ALTERNATIVE CORRECTIVE PLANS INVESTIGATED:

No alternatives were considered.



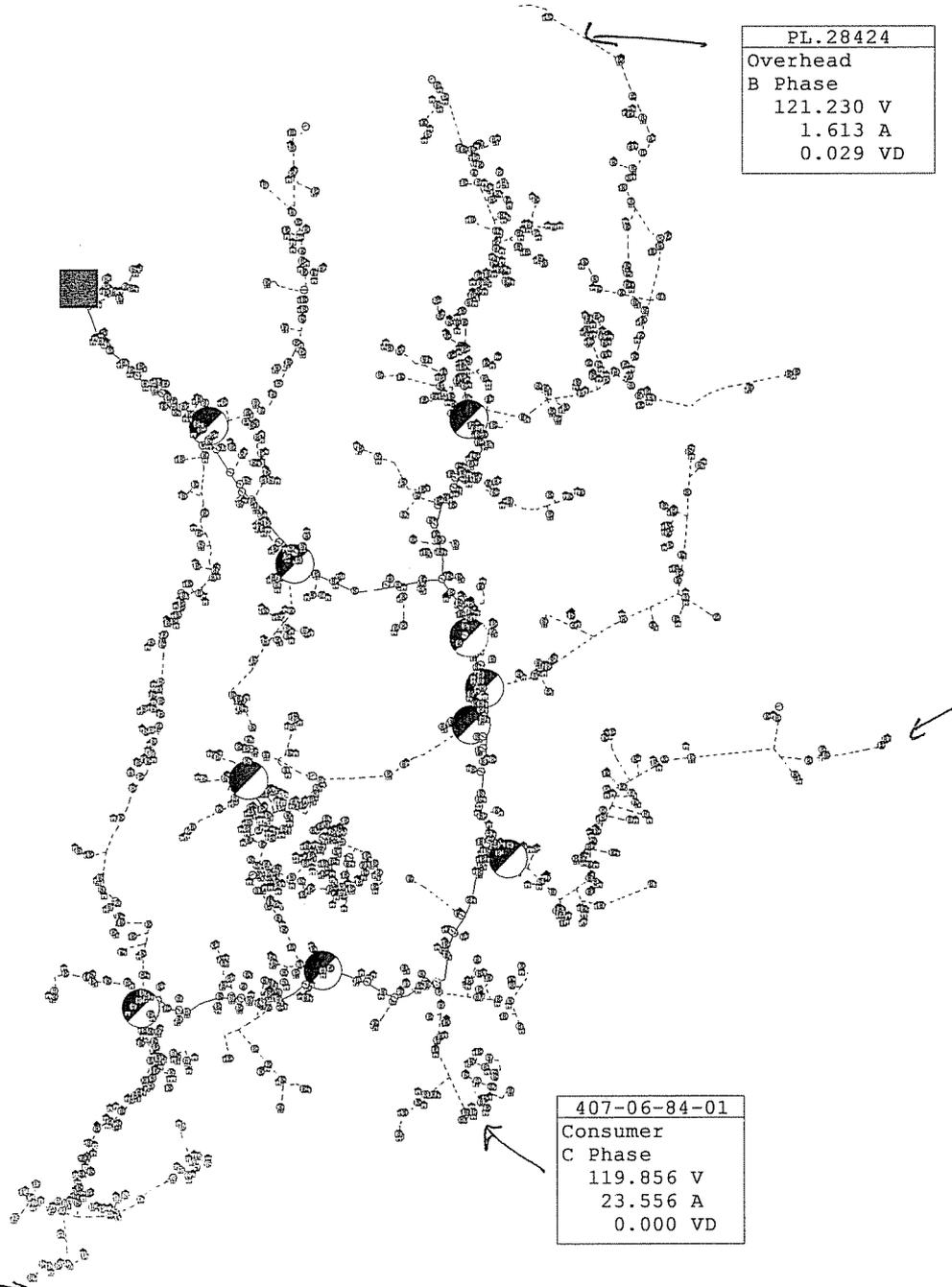
BALLTOWN SUB
BEFORE CORRECTIONS
13,875 KW

PL.28424
Overhead
B Phase
121.230 V
1.613 A
0.029 VD

PL.13292
Overhead
C Phase
119.987 V
0.489 A
0.006 VD

TR.11261
Transformer
A Phase
116.717 V
0.820 A
0.000 VD

407-06-84-01
Consumer
C Phase
119.856 V
23.556 A
0.000 VD



**BALLTOWN SUB FDR 01
BEFORE CORRECTIONS
13,875 KW**

PL.24058
Overhead
A Phase
123.588 V
0.465 A
0.002 VD

TR.8866
Transformer
B Phase
114.710 V
0.000 A
0.000 VD

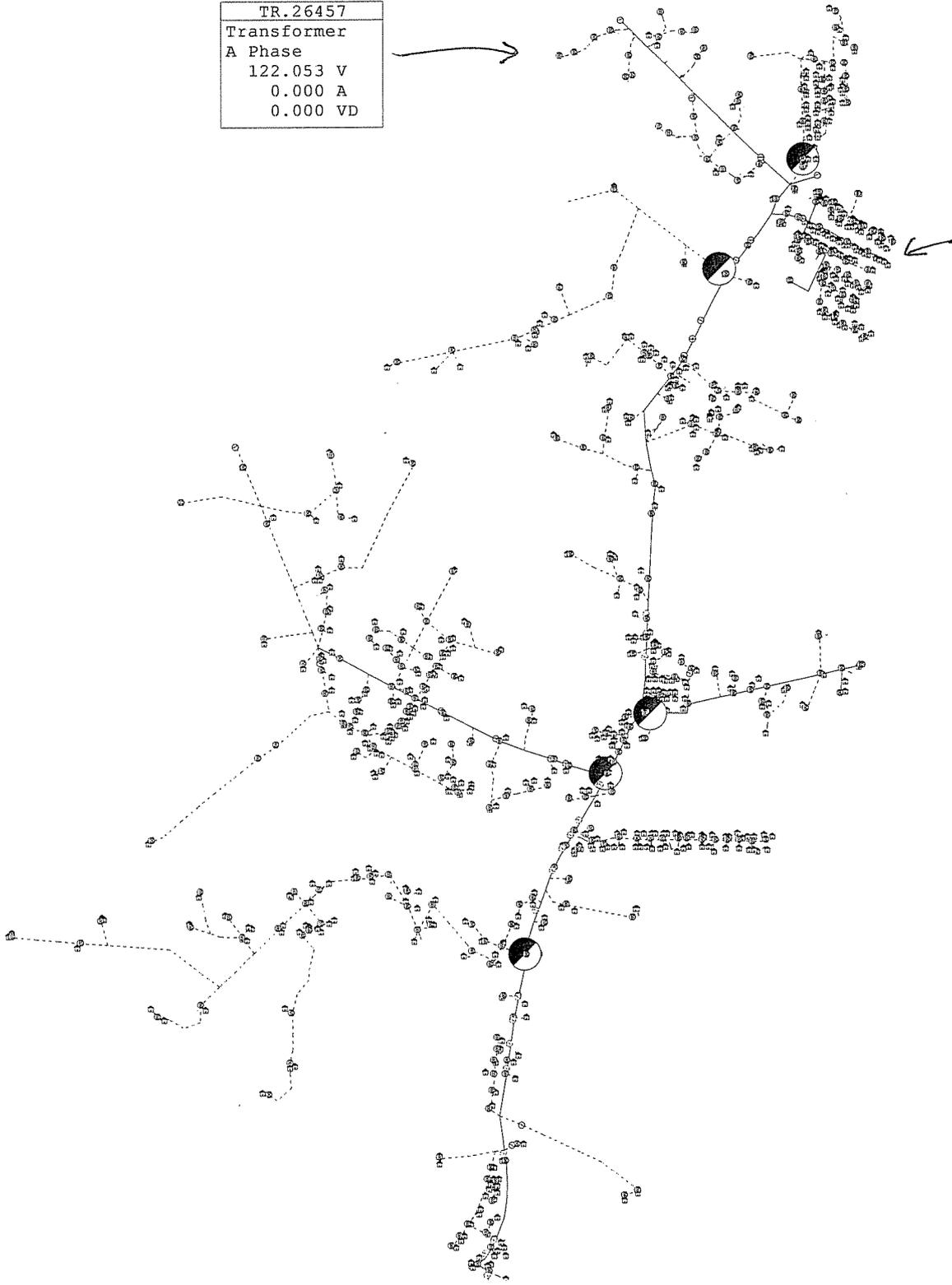
TR.15768
Transformer
B Phase
114.039 V
2.126 A
0.000 VD

PL.29004
Overhead
C Phase
115.371 V
0.519 A
0.005 VD

**BALLTOWN SUB FDR 02
BEFORE CORRECTIONS
13,875 KW**

TR.26457
Transformer
A Phase
122.053 V
0.000 A
0.000 VD

SCL.80894
Underground
A Phase
121.940 V
0.054 A
0.000 VD



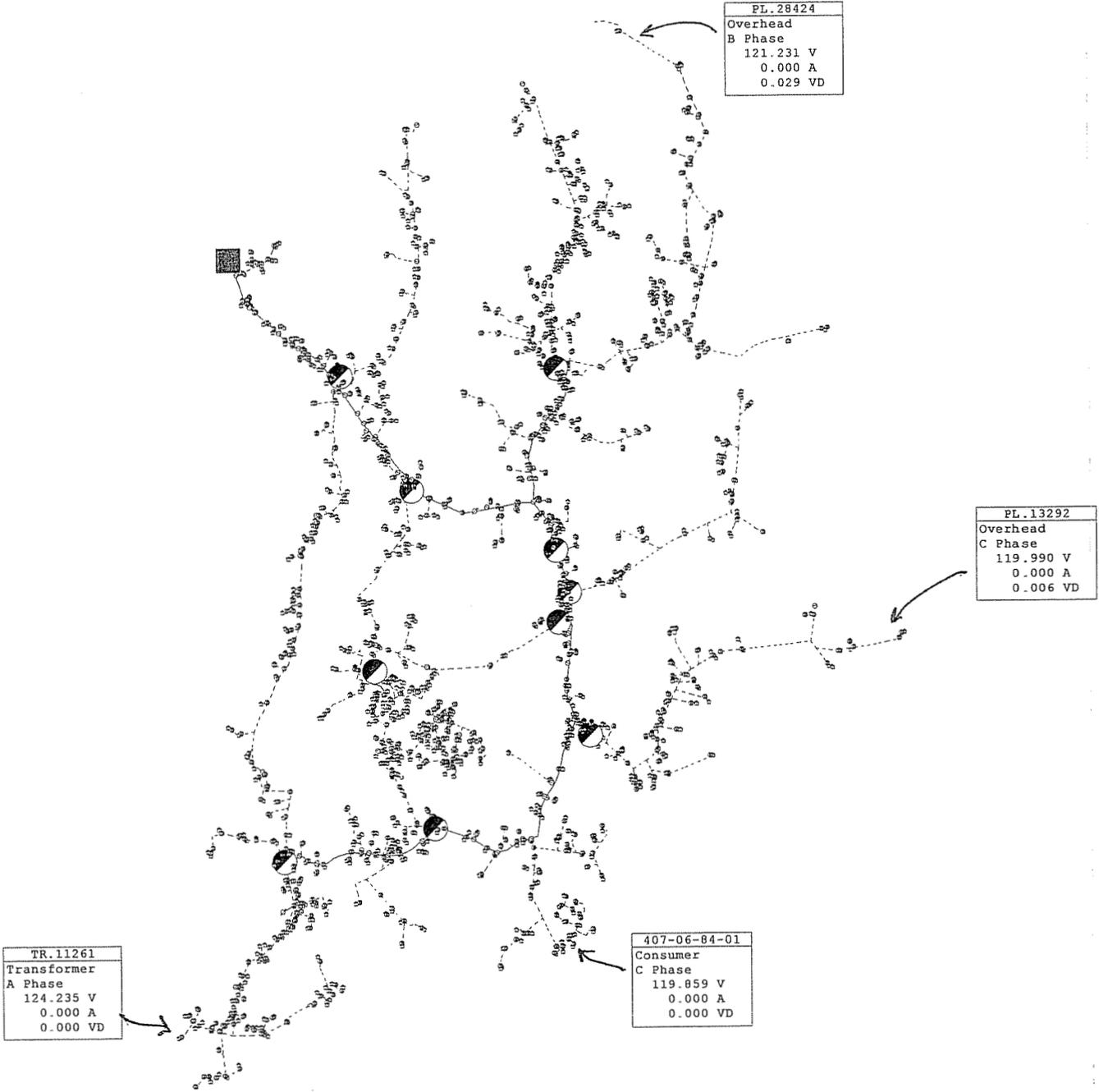
BALLTOWN SUB FDR 05
BEFORE CORRECTIONS
13,875 KW

PL.27343
Overhead
A Phase
114.571 V
0.774 A
0.001 VD

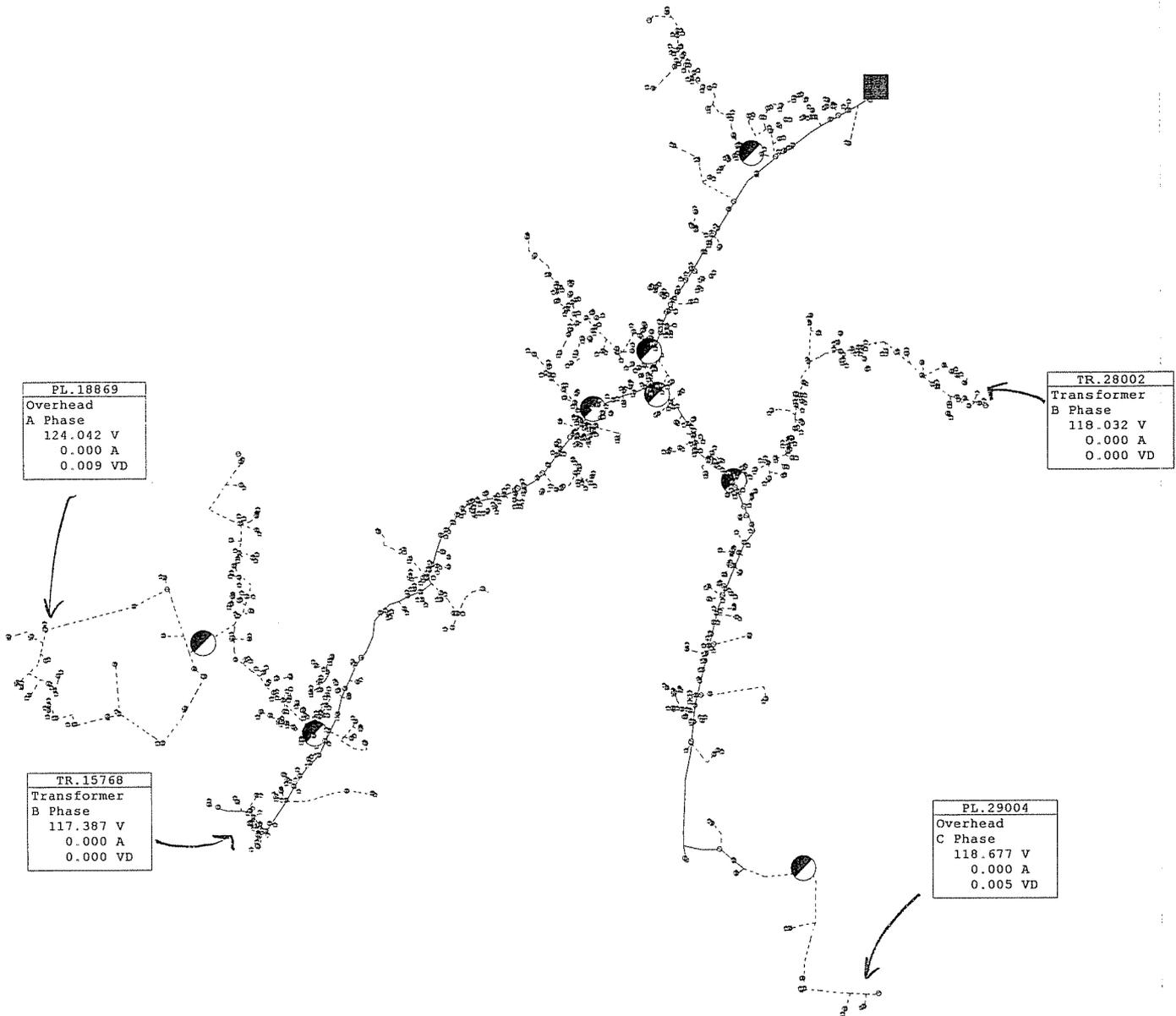
PL.25631
Overhead
B Phase
114.847 V
1.115 A
0.005 VD

PL.30186
Overhead
B Phase
115.188 V
0.000 A
0.000 VD

BALLTOWN SUB FDR 04
BEFORE CORRECTIONS
13,875 KW



**BALLTOWN SUB FDR 01
AFTER CORRECTIONS
13,875 KW**



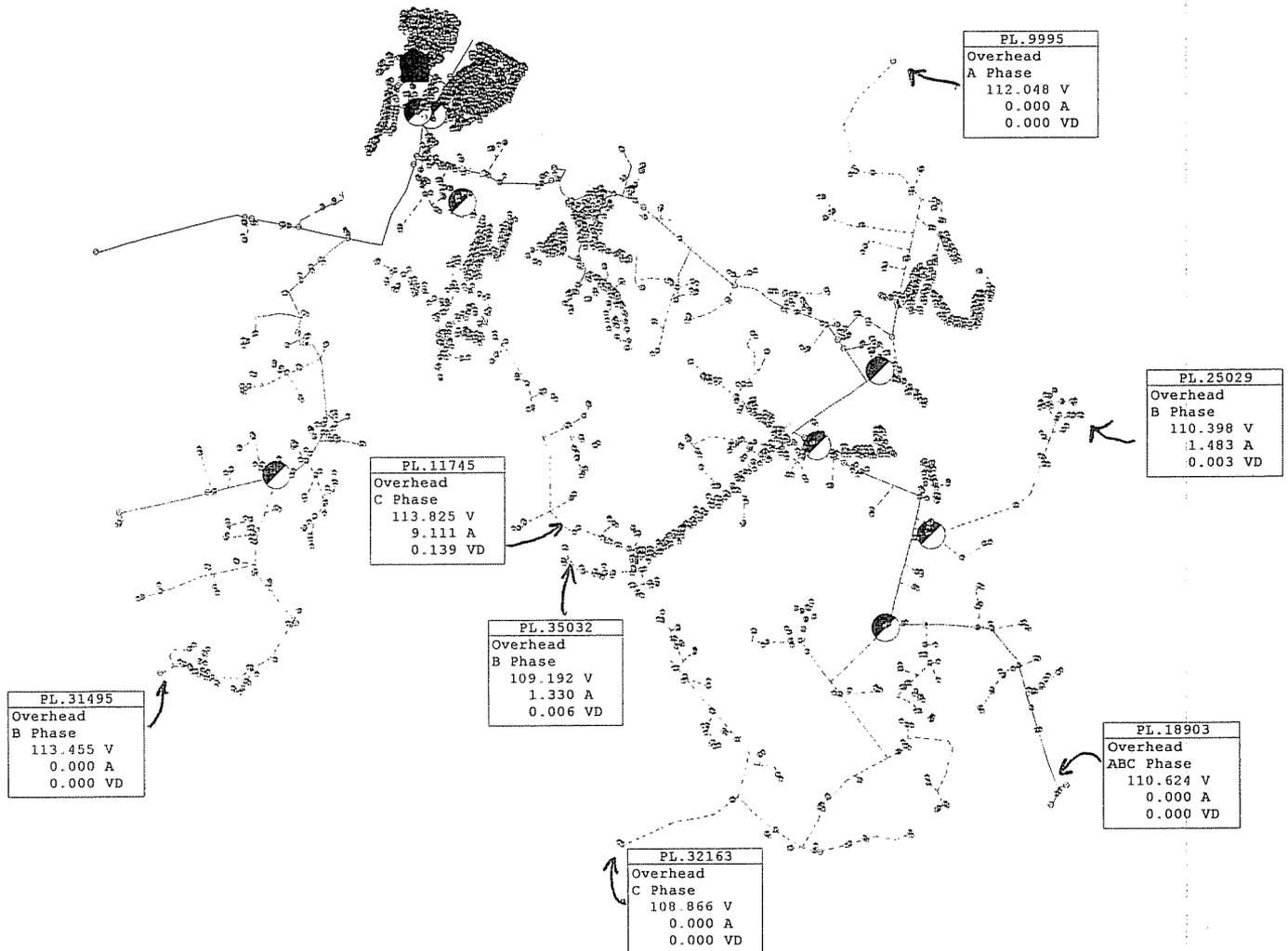
BALLTOWN SUB FDR 02
AFTER CORRECTIONS
13,875 KW

TR.24688
Transformer
A Phase
124.250 V
0.713 A
0.000 VD

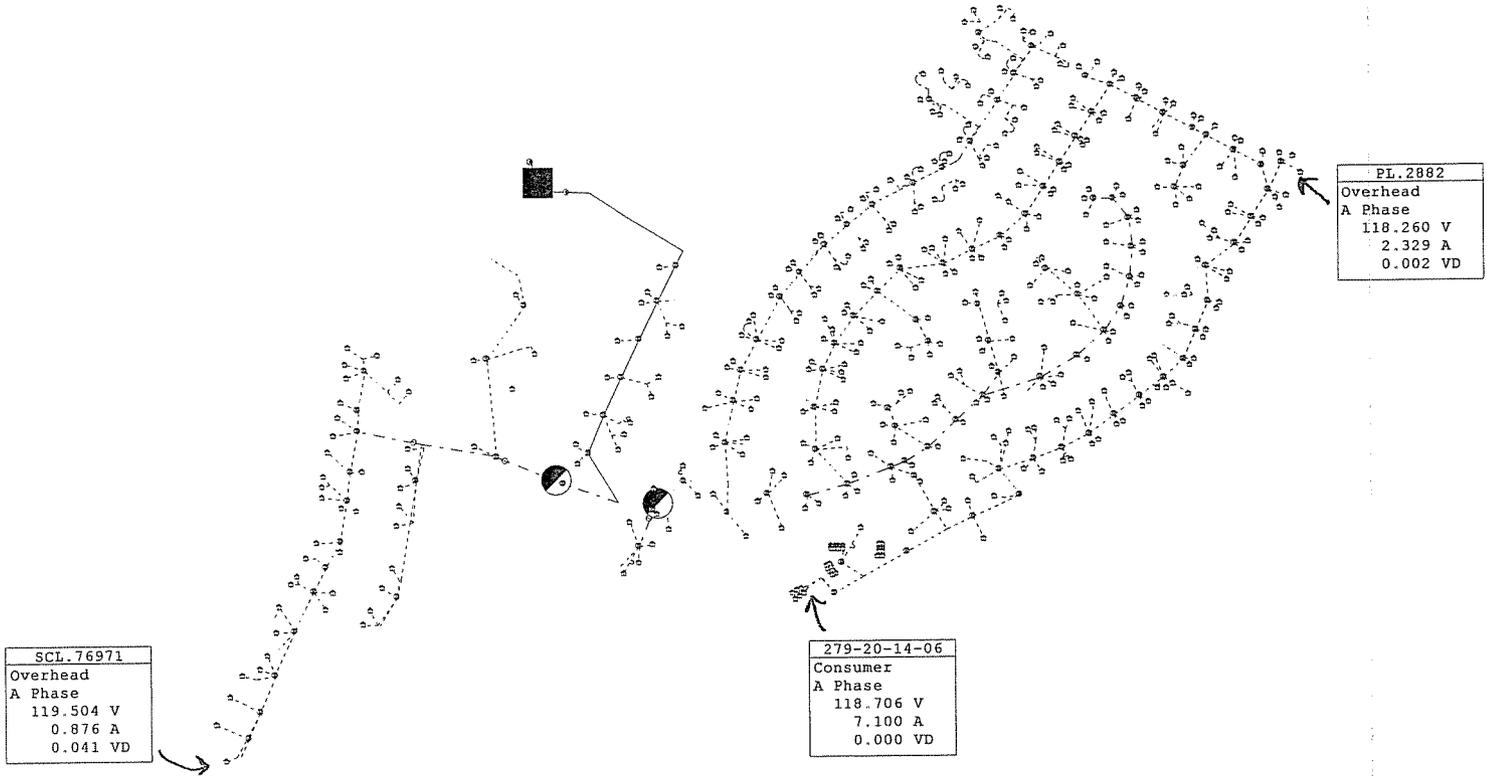
SCL.34486
Overhead
B Phase
124.202 V
30.782 A
0.349 VD



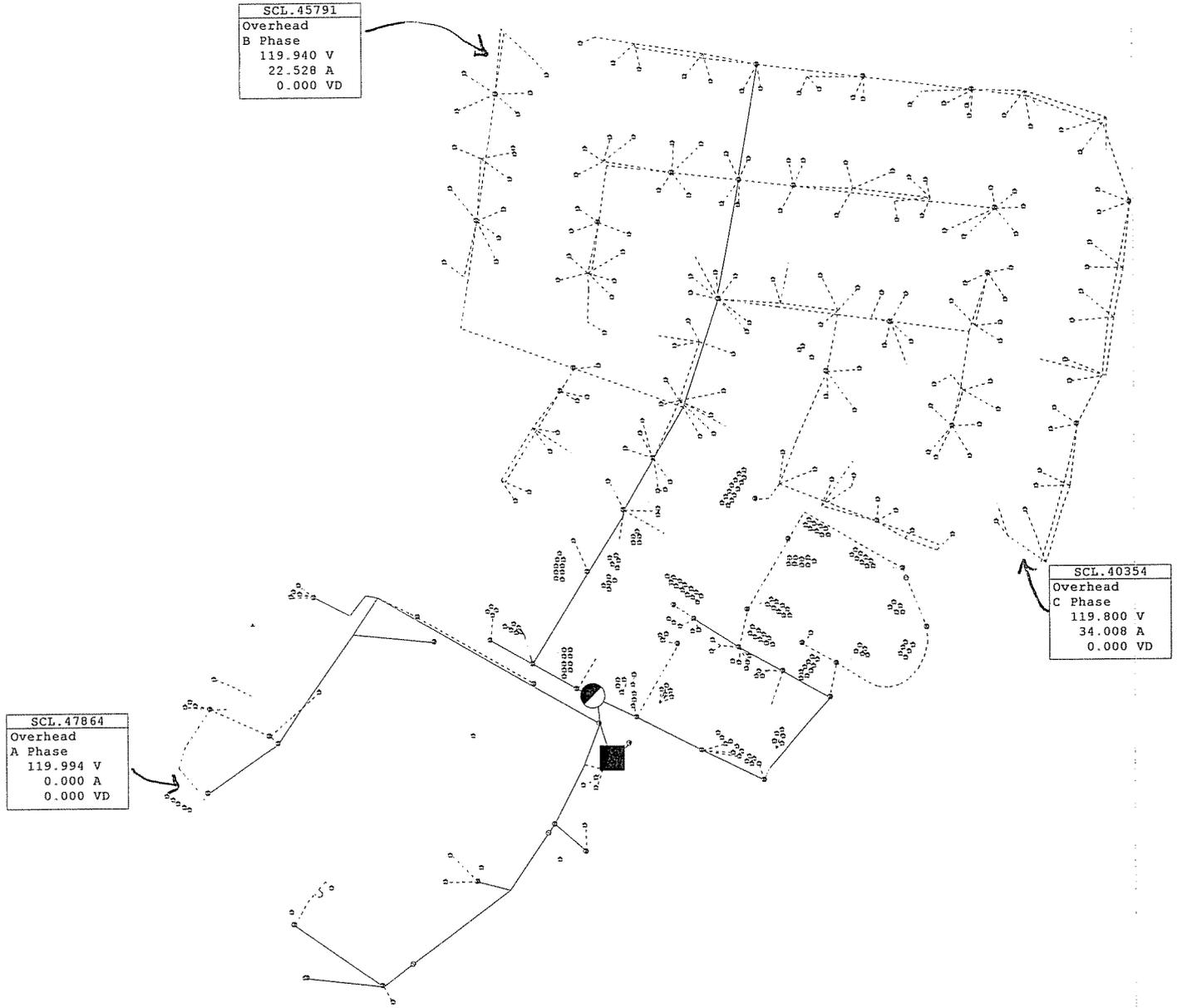
BALLTOWN SUB FDR 04
AFTER CORRECTIONS
13,875 KW



BARDSTOWN SHOPPING CENTER SUB
BEFORE CORRECTIONS
10,824 KW



BARDSTOWN SHOPPING CENTER SUB FDR 03
BEFORE CORRECTIONS
10,824 KW

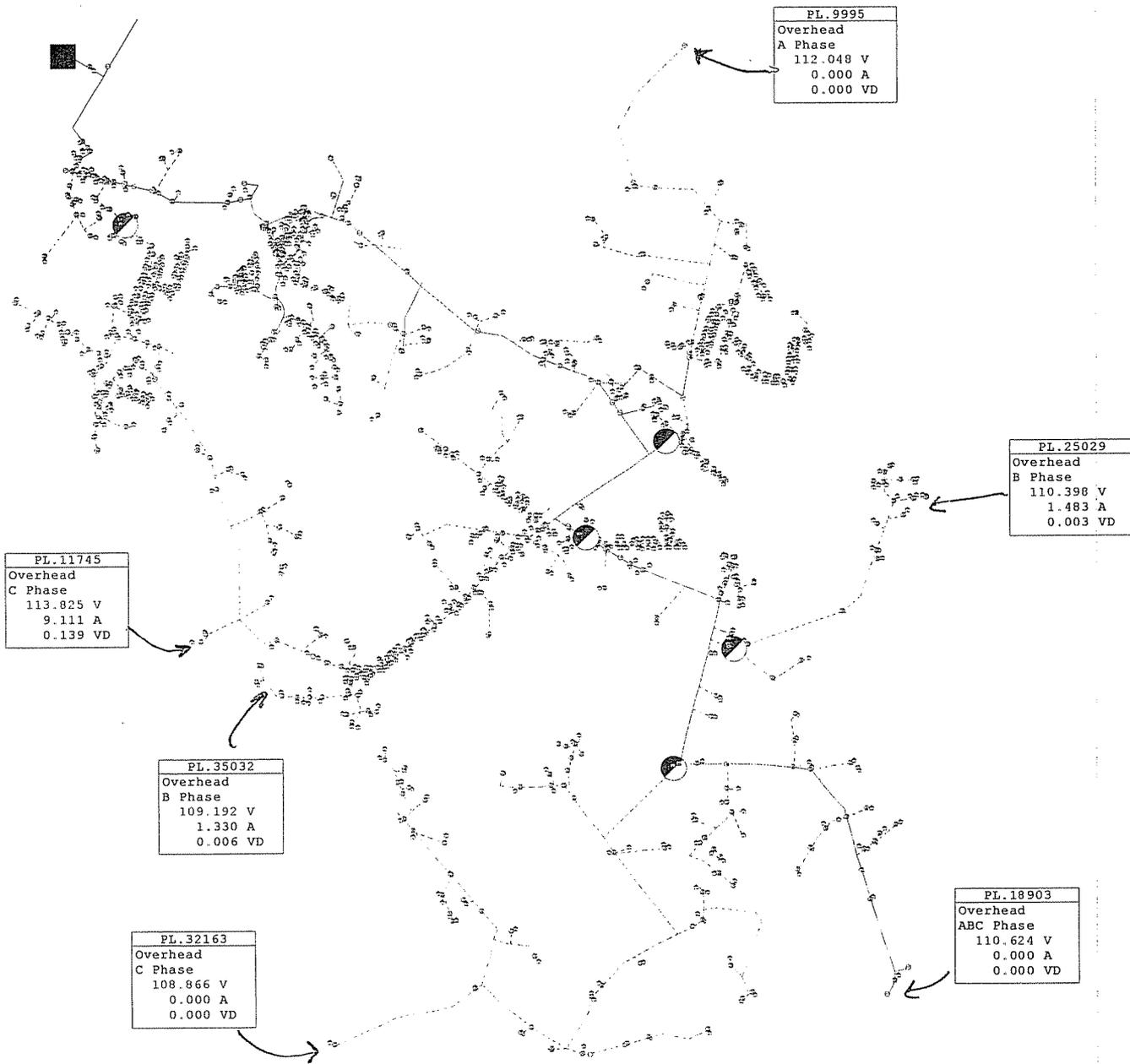


SCL.45791
Overhead
B Phase
119.940 V
22.528 A
0.000 VD

SCL.40354
Overhead
C Phase
119.800 V
34.008 A
0.000 VD

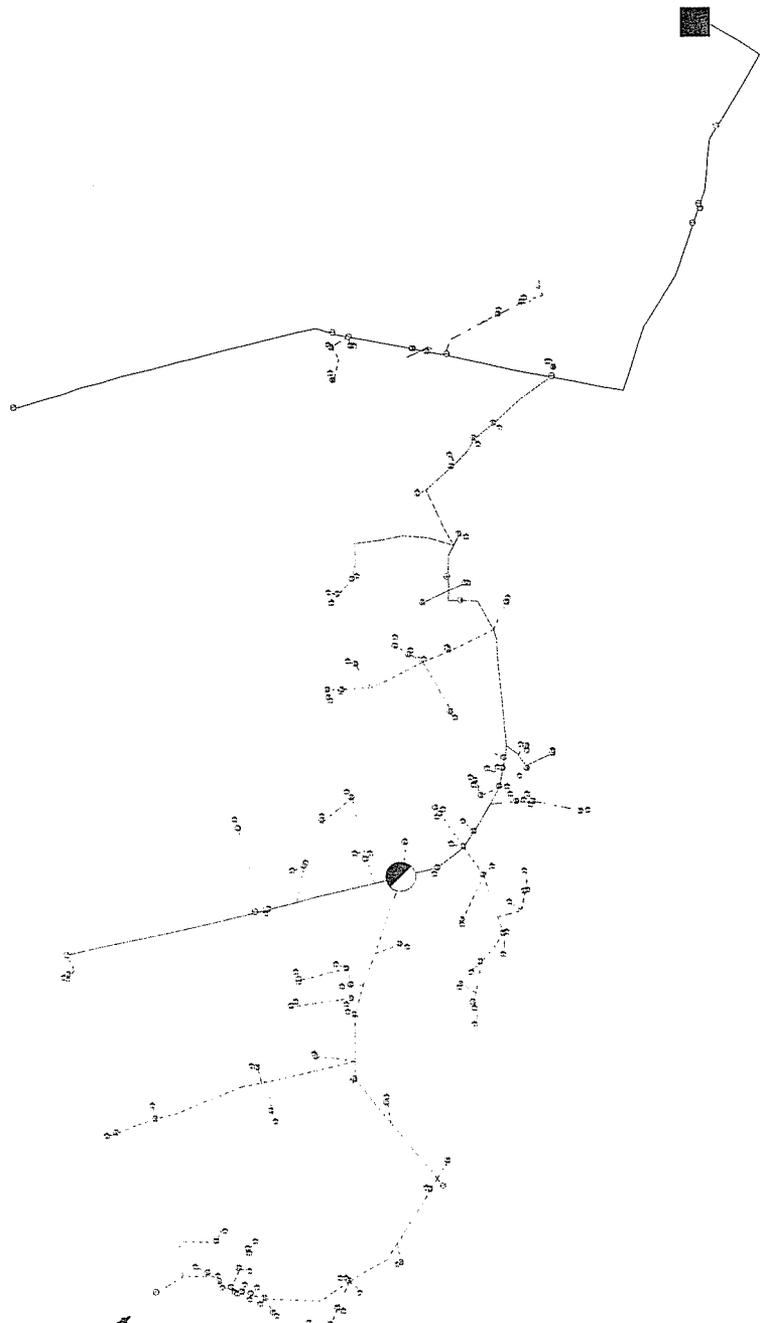
SCL.47864
Overhead
A Phase
119.994 V
0.000 A
0.000 VD

BARDSTOWN SHOPPING CENTER SUB FDR 05
BEFORE CORRECTIONS
10,824 KW

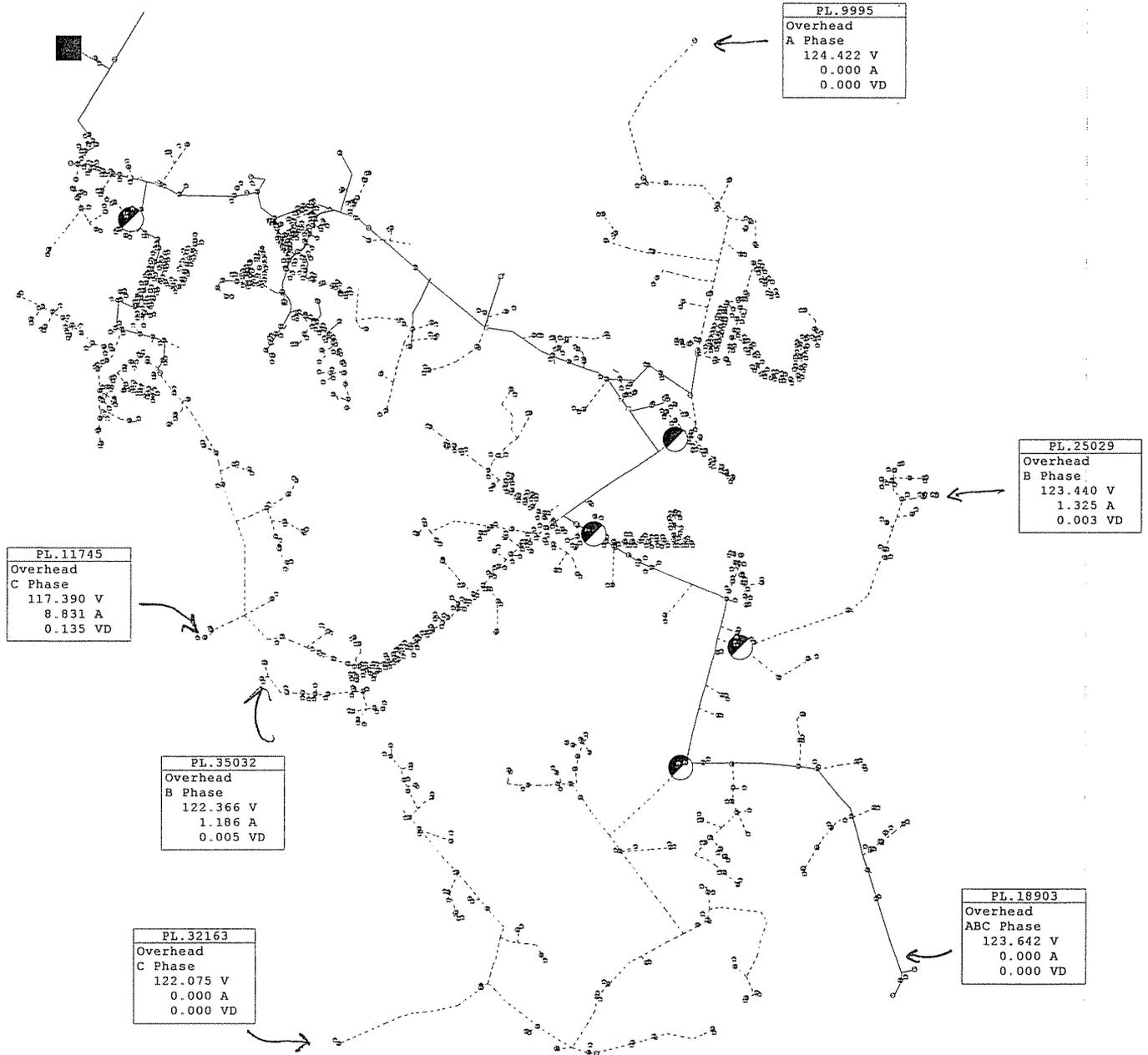


**BARDSTOWN SHOPPING CENTER SUB FDR 02
BEFORE CORRECTIONS
10,824 KW**

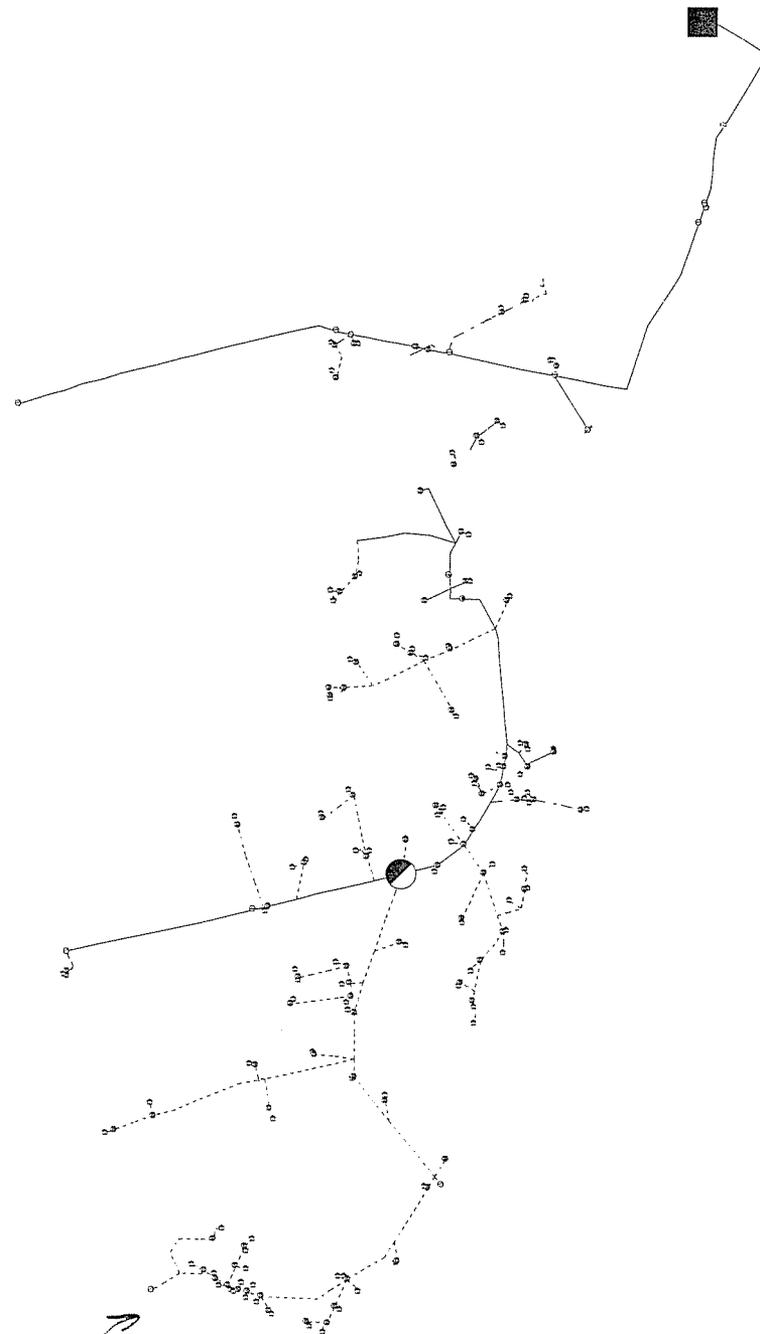
PL_31495
Overhead
B Phase
113.455 V
0.000 A
0.000 VD



BARDSTOWN SHOPPING CENTER SUB FDR 01
BEFORE CORRECTIONS
10,824 KW

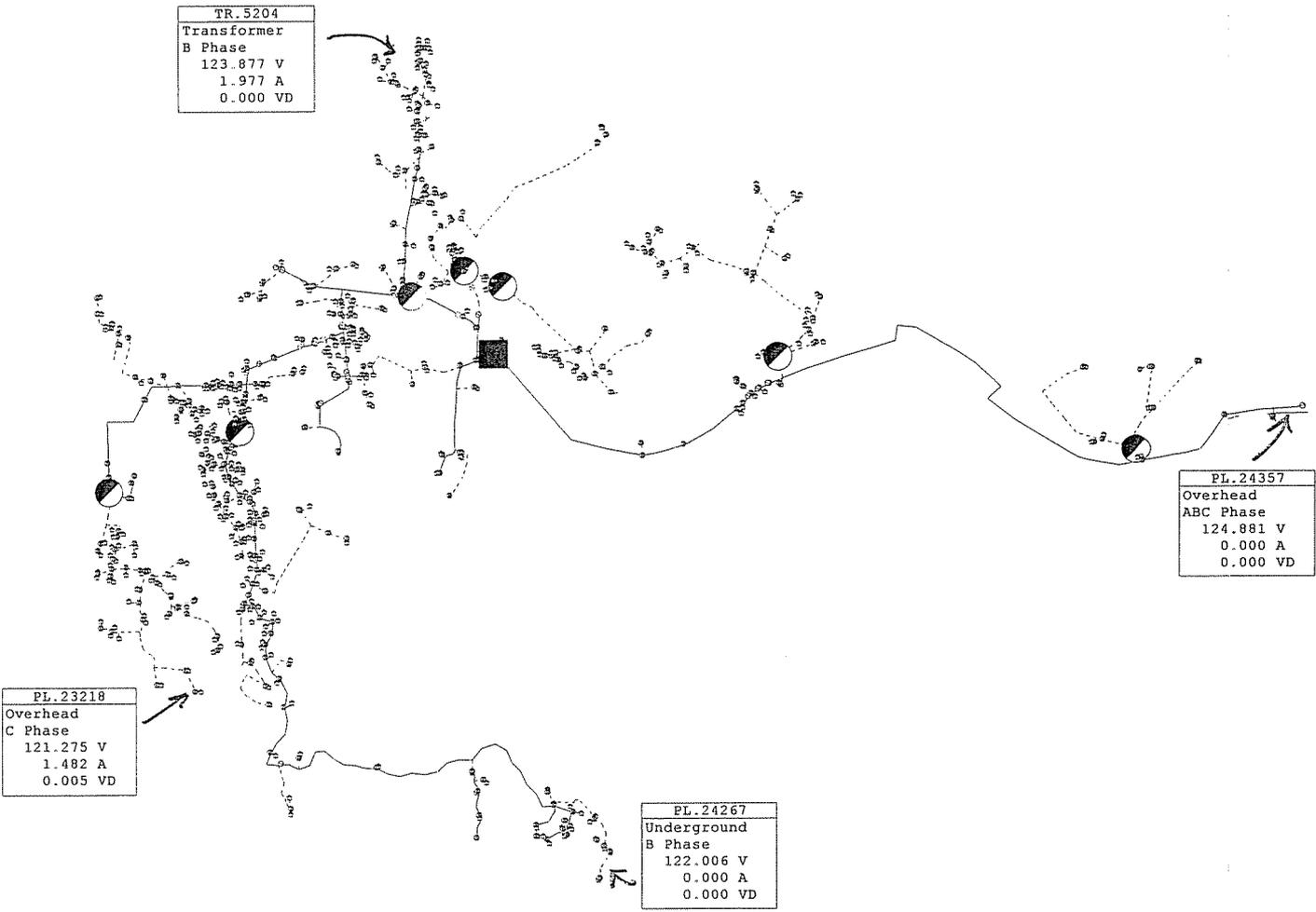


BARDSTOWN SHOPPING CENTER SUB FDR 02
AFTER CORRECTIONS
10,824 KW

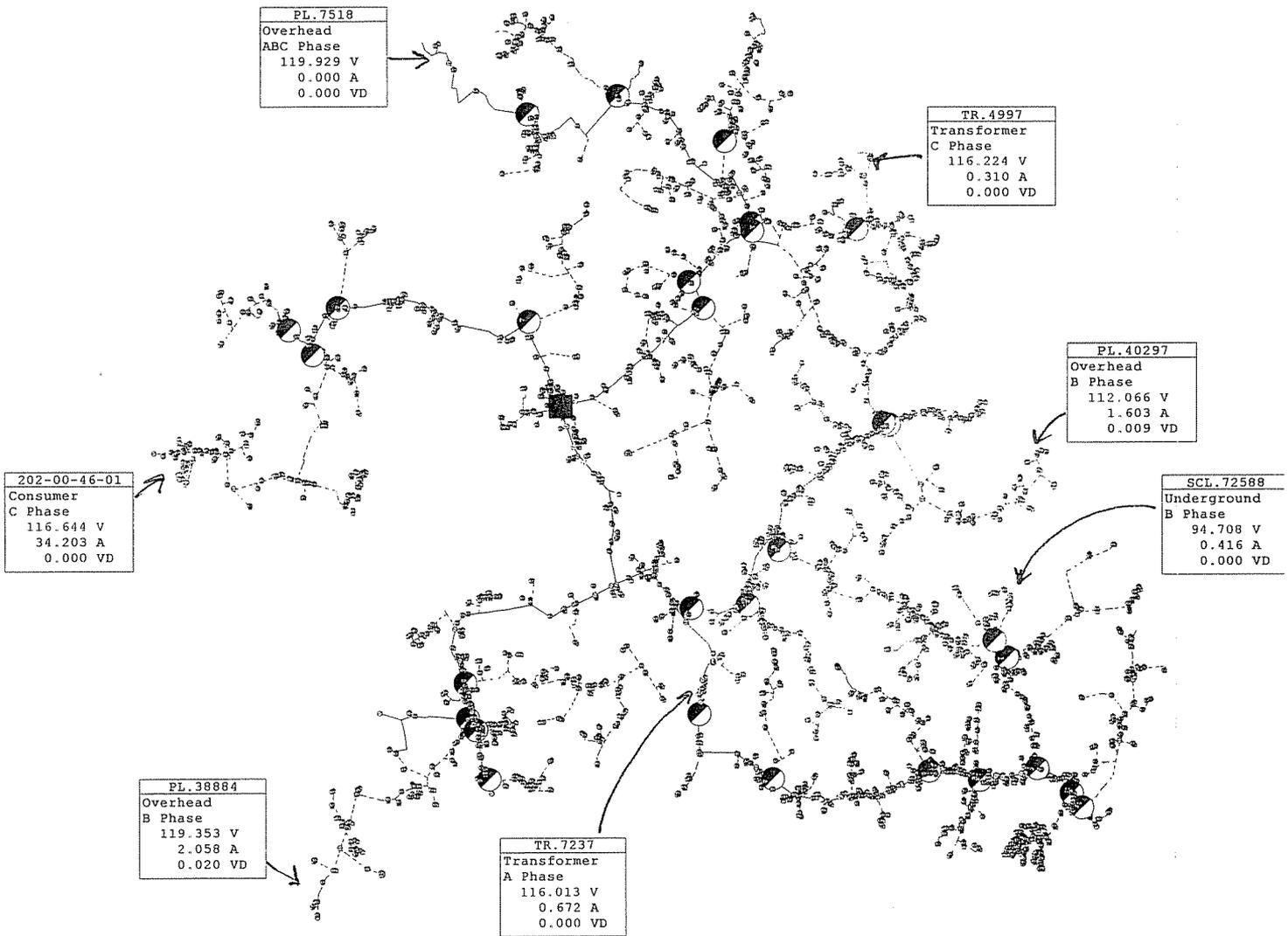


PL. 31495
Overhead
B Phase
121.786 V
0.000 A
0.000 VD

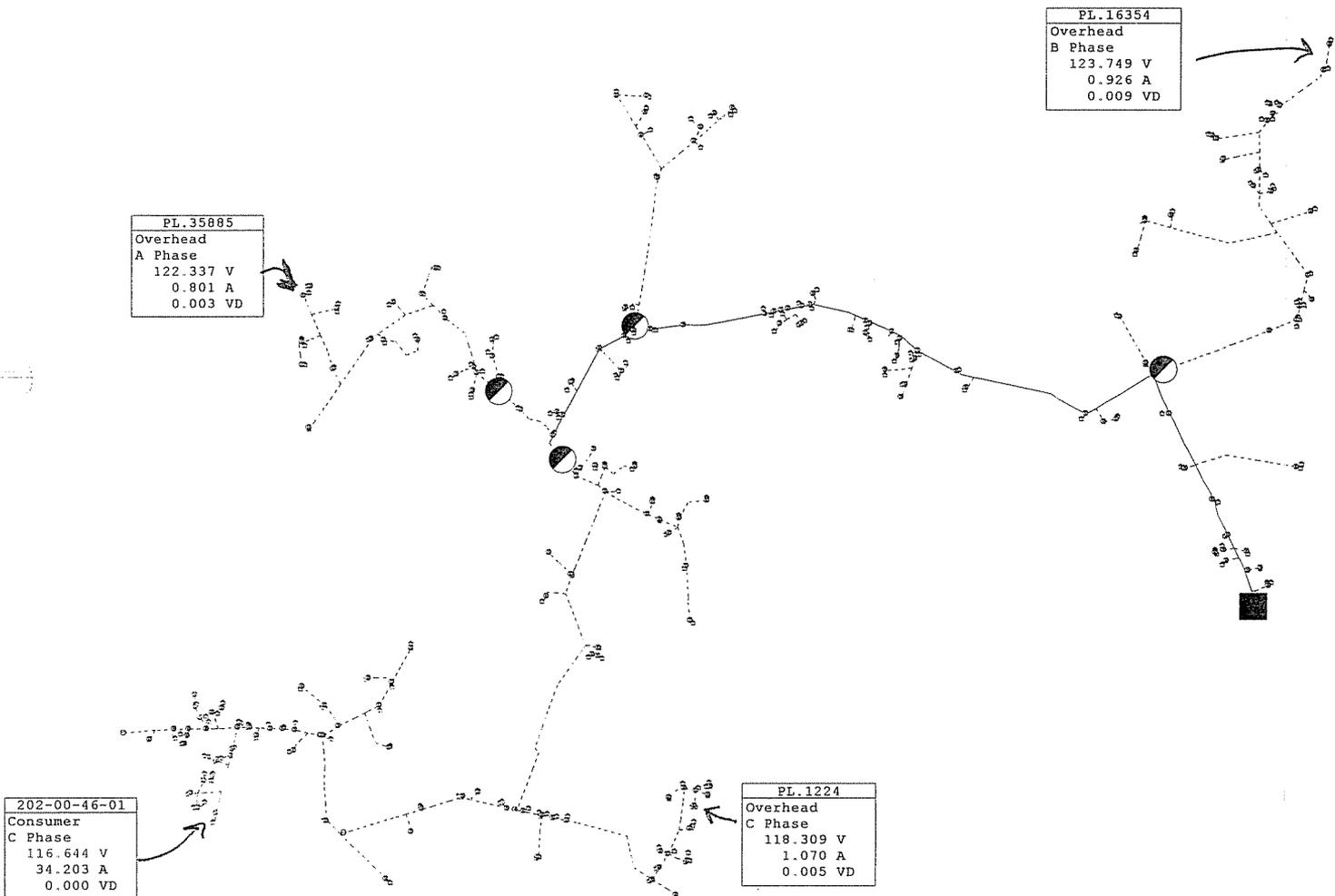
BARDSTOWN SHOPPING CENTER SUB FDR 01
AFTER CORRECTIONS
10,824 KW



**BEAMS SUB
BEFORE CORRECTIONS
5449 KW**



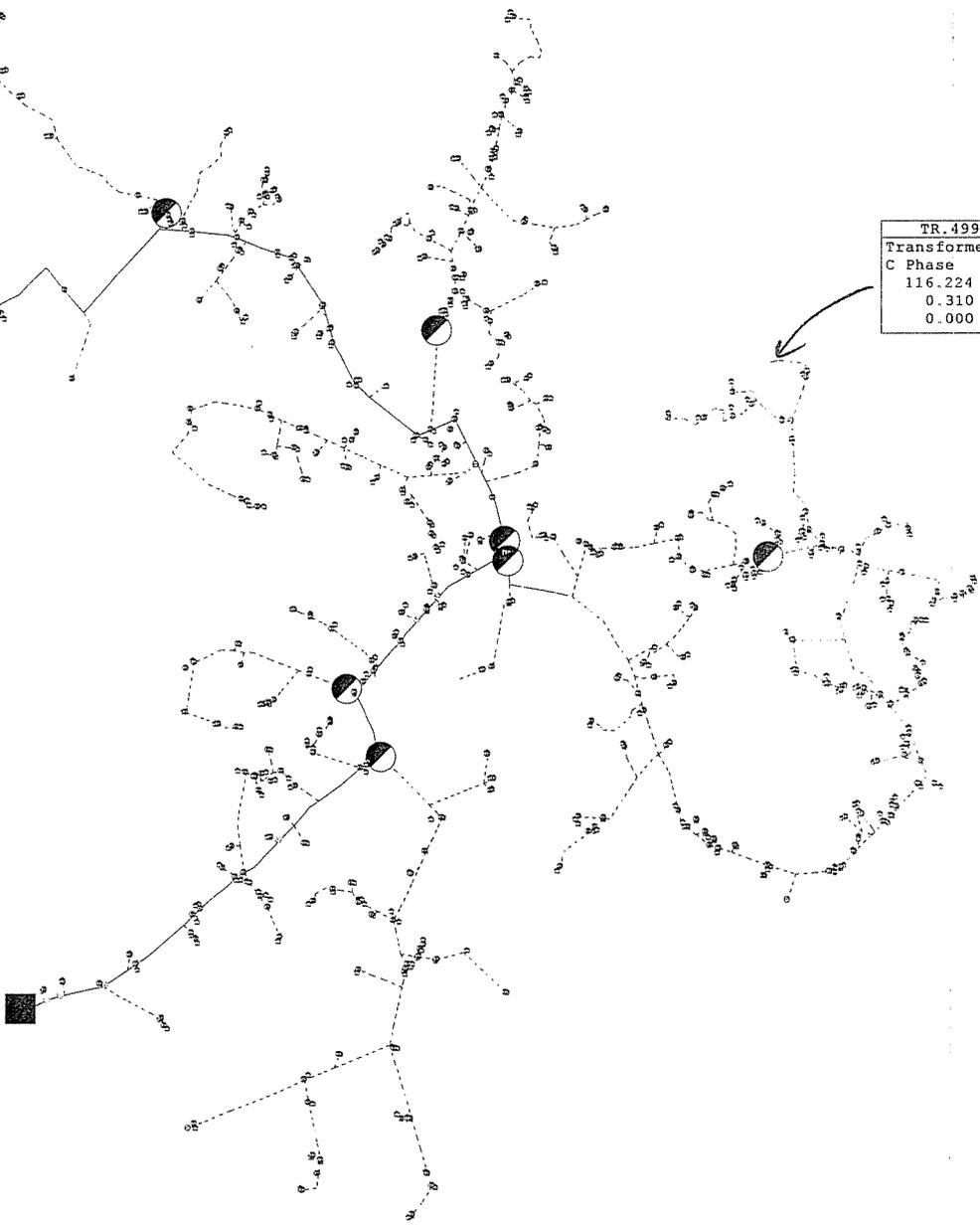
**BLOOMFIELD SUB
BEFORE CORRECTIONS
8432 KW**



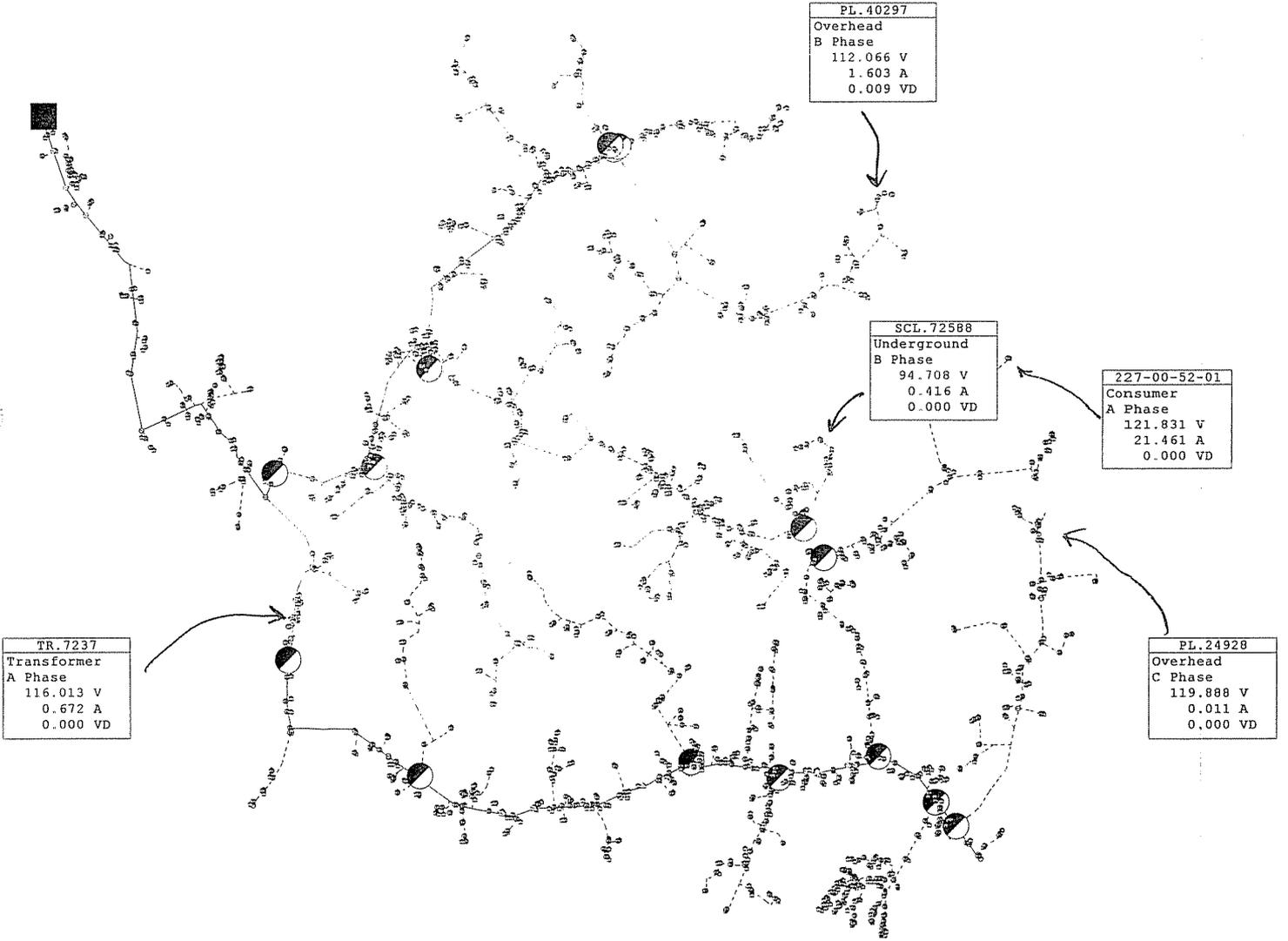
BLOOMFIELD SUB FDR 01
 BEFORE CORRECTIONS
 8432 KW

PL. 7518
Overhead
ABC Phase
119.929 V
0.000 A
0.000 VD

TR. 4997
Transformer
C Phase
116.224 V
0.310 A
0.000 VD



BLOOMFIELD SUB FDR 02
 BEFORE CORRECTIONS
 8432 KW



**BLOOMFIELD SUB FDR 04
BEFORE CORRECTIONS
8432 KW**

PL.38884
Overhead
B Phase
119.353 V
2.058 A
0.020 VD

PL.2767
Overhead
B Phase
119.969 V
0.000 A
0.000 VD

**BLOOMFIELD SUB FDR 05
BEFORE CORRECTIONS
8432 KW**